


STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT <input checked="" type="checkbox"/>				
APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER FD 5-32-2-2				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT WILDCAT				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME				
6. NAME OF OPERATOR BILL BARRETT CORP						7. OPERATOR PHONE 303 312-8134				
8. ADDRESS OF OPERATOR 1099 18th Street Ste 2300, Denver, CO, 80202						9. OPERATOR E-MAIL tfallang@billbarrettcorp.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) fee			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Joseph Fasslin						14. SURFACE OWNER PHONE (if box 12 = 'fee') 931-433-1067				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') 604 4th Ave, fayetteville, TN 37334						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		1865 FNL 1240 FWL		SWNW	32	2.0 S	2.0 E	U		
Top of Uppermost Producing Zone		1865 FNL 1240 FWL		SWNW	32	2.0 S	2.0 E	U		
At Total Depth		1865 FNL 1240 FWL		SWNW	32	2.0 S	2.0 E	U		
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1240			23. NUMBER OF ACRES IN DRILLING UNIT 640				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 3677			26. PROPOSED DEPTH MD: 9716 TVD: 9716				
27. ELEVATION - GROUND LEVEL 5088			28. BOND NUMBER LPM4138148			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 49-1645				
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	26	16	0 - 80	65.0	Unknown	8.7	No Used	0	0.0	0.0
SURF	12.25	9.625	0 - 3700	36.0	J-55 ST&C	8.7	Halliburton Light , Type Unknown	570	3.16	11.0
							Halliburton Premium , Type Unknown	210	1.36	14.8
PROD	7.875	5.5	0 - 9716	17.0	P-110 LT&C	9.5	Unknown	650	2.31	11.0
							Unknown	150	1.42	13.5
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Brady Riley					TITLE Permit Analyst			PHONE 303 312-8115		
SIGNATURE					DATE 10/16/2013			EMAIL briley@billbarrettcorp.com		
API NUMBER ASSIGNED 43047540580000					APPROVAL  Permit Manager					

BILL BARRETT CORPORATION

DRILLING PLAN

FD 5-32-2-2

SWNW, 1865' FNL and 1240' FWL, Section 32, T2S-R2E, USB&M (surface hole)

SWNW, 1865' FNL and 1240' FWL, Section 32, T2S-R2E, USB&M (bottom hole)

Uintah County, Utah

1 - 2. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

<u>Formation</u>	<u>Depth – MD/TVD</u>
Green River	5,507
Mahogany	6,632
Lower Green River*	7,738
Douglas Creek	7,927
Black Shale	8,443
Castle Peak	8,531
Wasatch*	9,216
TD	9,716

*PROSPECTIVE PAY

The Wasatch and the Lower Green River are primary objectives for oil/gas.

Base of Useable Water = 3,733

3. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 3700'	Rotating Head or Diverter (may pre-set 9-5/8" with smaller rig)
3700' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary equipment and choke manifold rated at 5,000 psi. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.	
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up To operate most efficiently in this manner.	

*See Appendix A

4. Casing Program

<u>Hole Size</u>	<u>SETTING DEPTH</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
	<u>(FROM)</u>	<u>(TO)</u>					
26"	Surface	80'	16"	65#			
12 1/4"	Surface	3700'	9 5/8"	36#	J or K 55	LT&C	New
7 7/8"	Surface	TD	5 1/2"	17#	P-110	LT&C	New

Bill Barrett Corporation
Drilling Program
FD 5-32-2-2
Uintah County, Utah

5. Cementing Program

16" Conductor Casing	Grout
9 5/8" Surface Casing (may pre-set with spudder rig)	Lead: 570 sx Halliburton Light Premium with additives mixed at 11.0 ppg (yield = 3.16 ft ³ /sx) circulated to surface with 75% excess. TOC @ Surface Tail: 210 sx Halliburton Premium Plus cement with additives mixed at 14.8 ppg (yield = 1.36 ft ³ /sx), calculated hole volume with 75% excess. TOC @ 3200'
5 1/2" Production Casing	Lead: 650 sx Tuned Light cement with additives mixed at 11.0 ppg (yield = 2.31 ft ³ /sx). TOC @ 3200' Tail: 150 sx Halliburton Econocem cement with additives mixed at 13.5 ppg (yield = 1.42 ft ³ /sx). Top of cement to be determined by log and sample evaluation; estimated TOC @ 8943'

6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss (API filtrate)</u>	<u>Remarks</u>
0' – 3700'	8.3 – 8.7	26 – 36	NC	Air/Mist/Freshwater Spud Mud Fluid System
3700' - 5500'	9.2 - 9.4	26 – 36	NC	Freshwater Spud Mud Fluid System
5500' – TD	9.4 - 9.5	42 – 58	25 cc or less	DAP Polymer Fluid System
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

7. Testing, Logging and Core Programs

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.

8. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4800 psi* and maximum anticipated surface pressure equals approximately 2662 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

**Maximum surface pressure = A – (0.22 x TD)

Bill Barrett Corporation
Drilling Program
FD 5-32-2-2
Uintah County, Utah

9. Auxiliary Equipment

- a) Upper kelly cock; lower Kelly cock will be installed while drilling
 - b) Inside BOP or stab-in valve (available on rig floor)
 - c) Safety valve(s) and subs to fit all string connections in use
- Mud monitoring will be visually observed

10. Location and Type of Water Supply

Water for the drilling and completion will be from:

43-2505, (t37379): McKinnon Ranch Properties, LC
43-12345 (F78949): Dale Anderson
43-10664 (A38472): W. E. Gene Brown
49-1645 (A35800): RN Industries, Inc.
49-2336 (t78808): RN Industries, Inc.
43-8496 (A53617): A-1 Tank Rental
43-10288 (A65273): Nile Chapman (RNI)
49-2247 (F76893): Magnum Water Service
43-8875 (t38762): Four Star Ranch (c/o David Yeman)

11. Drilling Schedule

Location Construction: March 2013
Spud: March 2013
Duration: 15 days drilling time
6 days completion time

12. Appendix A

9-5/8" casing may be preset with a spudder rig. If this occurs, the following equipment shall be in place and operational during air/gas drilling:

- Properly lubricated and maintained rotating head
- Spark arresters on engines or water cooled exhaust
- Blooie line discharge 100 feet from well bore and securely anchored
- Straight run on blooie line unless otherwise approved
- Deduster equipment
- All cuttings and circulating medium shall be directed into a reserve or blooie pit
- Float valve above bit
- Automatic igniter or continuous pilot light on the blooie line
- Compressors located in the opposite direction from the blooie line on the rig
- Mud circulating equipment, water, and mud materials (does not have to be premixed) sufficient to maintain the capacity of the hole and circulating tanks or pits



Bill Barrett Corporation

FORT DUCHESNE CEMENT VOLUMES

Well Name: FD 5-32-2-2

Surface Hole Data:

Total Depth:	3,700'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

Calculated Data:

Lead Volume:	1753.8	ft ³
Lead Fill:	3,200'	
Tail Volume:	274.0	ft ³
Tail Fill:	500'	

Cement Data:

Lead Yield:	3.16	ft ³ /sk
% Excess:	75%	
Top of Lead:	0'	

Calculated # of Sacks:

# SK's Lead:	570
--------------	-----

Tail Yield:	1.36	ft ³ /sk
% Excess:	75%	
Top of Tail:	3,200'	

# SK's Tail:	210
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Production Hole Data:

Total Depth:	9,716'
Top of Cement:	3,200'
Top of Tail:	8,943'
OD of Hole:	7.875"
OD of Casing:	5.500"

Calculated Data:

Lead Volume:	1492.5	ft ³
Lead Fill:	5,743'	
Tail Volume:	200.9	ft ³
Tail Fill:	773'	

Cement Data:

Lead Yield:	2.31	ft ³ /sk
Tail Yield:	1.42	ft ³ /sk
% Excess:	50%	

Calculated # of Sacks:

# SK's Lead:	650
# SK's Tail:	150

FD 5-32-2-2 Proposed Cementing Program

<u>Job Recommendation</u>	<u>Surface Casing</u>
Lead Cement - (3200' - 0')	
Halliburton Light Premium	Fluid Weight: 11.0 lbm/gal
5.0 lbm/sk Silicalite Compacted	Slurry Yield: 3.16 ft ³ /sk
0.25 lbm/sk Kwik Seal	Total Mixing Fluid: 19.48 Gal/sk
0.125 lbm/sk Poly-E-Flake	Top of Fluid: 0'
2.0% Bentonite	Calculated Fill: 3,200'
	Volume: 312.35 bbl
	Proposed Sacks: 570 sks
Tail Cement - (TD - 3200')	
Premium Cement	Fluid Weight: 14.8 lbm/gal
2.0% Calcium Chloride	Slurry Yield: 1.36 ft ³ /sk
	Total Mixing Fluid: 6.37 Gal/sk
	Top of Fluid: 3,200'
	Calculated Fill: 500'
	Volume: 48.80 bbl
	Proposed Sacks: 210 sks

<u>Job Recommendation</u>	<u>Production Casing</u>
Lead Cement - (8943' - 3200')	
Tuned Light™ System	Fluid Weight: 11.0 lbm/gal
	Slurry Yield: 2.31 ft ³ /sk
	Total Mixing Fluid: 10.65 Gal/sk
	Top of Fluid: 3,200'
	Calculated Fill: 5,743'
	Volume: 265.80 bbl
	Proposed Sacks: 650 sks
Tail Cement - (9716' - 8943')	
Econocem™ System	Fluid Weight: 13.5 lbm/gal
0.125 lbm/sk Poly-E-Flake	Slurry Yield: 1.42 ft ³ /sk
1.0 lbm/sk Granulite TR 1/4	Total Mixing Fluid: 6.61 Gal/sk
	Top of Fluid: 8,943'
	Calculated Fill: 773'
	Volume: 35.78 bbl
	Proposed Sacks: 150 sks

PRESSURE CONTROL EQUIPMENT – Schematic Attached

A. Type: Eleven (11) Inch Double Gate Hydraulic BOP with Eleven (11) Inch Annular Preventer. The blow out preventer will be equipped as follows:

1. One (1) blind ram (above).
2. One (1) pipe ram (below).
3. Drilling spool with two (2) side outlets (choke side 3-inch minimum, kill side 2-inch minimum).
4. 3-inch diameter choke line.
5. Two (2) choke line valves (3-inch minimum).
6. Kill line (2-inch minimum).
7. Two (2) chokes with one (1) remotely controlled from the rig floor.
8. Two (2) kill line valves, and a check valve (2-inch minimum).
9. Upper and lower kelly cock valves with handles available.
10. Safety valve(s) & subs to fit all drill string connections in use.
11. Inside BOP or float sub available.
12. Pressure gauge on choke manifold.
13. Fill-up line above the uppermost preventer.

B. Pressure Rating: 5,000 psi

C. Testing Procedure:

Annular Preventer

At a minimum, the Annular Preventer will be pressure tested to 50% of the rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum the above pressure test will be performed:

1. When the annular preventer is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition, the Annular Preventer will be functionally operated at least weekly.

Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be

maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

D. Choke Manifold Equipment:

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

E. Accumulator:

The accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (if so equipped), close all rams plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of closing unit pumps. The fluid reservoir capacity will be double the usable fluid volume of the accumulator system capacity and the fluid level of the reservoir will be maintained at the manufacturer's recommendations.

The BOP system will have two (2) independent power sources to close the preventers. Nitrogen bottles (3 minimum) will be one (1) of these independent power sources and will maintain a charge equal to the manufacturer's specifications.

The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in the *Onshore Oil & Gas Order Number 2*.

A manual locking device (i.e. hand wheels) or automatic locking device will be installed on all systems of 2M or greater. A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will be maintained in the open position and will be closed only when the power source for the accumulator is inoperative.

Remote controls shall be readily accessible to the driller. Remote controls for all 3M or greater systems will be capable of closing all preventers. Remote controls for 5M or greater systems will be capable of both opening and closing all preventers. Master controls will be at the accumulator and will be capable of opening and closing all preventers and the choke line valve (if so equipped).

F. Miscellaneous Information:

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

A flare line will be installed after the choke manifold, extending 125 feet (minimum) from the center of the drill hole to a separate flare pit.

CONFIDENTIAL

Well location, FD #5-32-2-2, located as shown in the SW 1/4 NW 1/4 of Section 32, T2S, R2E, U.S.B.&M, Uintah County, Utah.

BENCH MARK (38EAM) LOCATED IN THE SW 1/4 OF SECTION 9, T7S, R20E, S.L.B.&M. TAKEN FROM THE PELICAN LAKE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4942 FEET.

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



THIS IS TO CERTIFY THAT THE ABOVE PART WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

(435) 789-1017

DATE DRAWN:
09-11-13

REFERENCES	
G.L.O. PLAT	

FILE	BILL BARRETT CORPORATION
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Set Marked Stone, Small Stones

1240'

1865'

FD #5-32-2-2
Elev. Ungraded Ground = 5088'

Set Marked Stone, Mound of Stones

32

Steel Cap, Pipe

Section Corner Re-Established, Using Double Proportion Method (Not Set On Ground)

LEGEND:

\perp = 90° SYMBOL

● = PROPOSED WELL HEAD.
 ▲ = SECTION CORNERS LOCATED.
 △ = SECTION CORNERS
 RE-ESTABLISHED.
 (Not Set on Ground.)

NAD 83 (SURFACE LOCATION)	
LATITUDE =	40°16'04.30" (40.267861)
LONGITUDE =	109°47'54.05" (109.798347)
NAD 27 (SURFACE LOCATION)	
LATITUDE =	40°16'04.44" (40.267900)
LONGITUDE =	109°47'51.54" (109.797650)

$$\frac{T2S}{T3S}$$

BILL BARRETT CORPORATION

FD #5-32-2-2

LOCATED IN UINTAH COUNTY, UTAH
SECTION 32, T2S, R2E, U.S.B.&M.

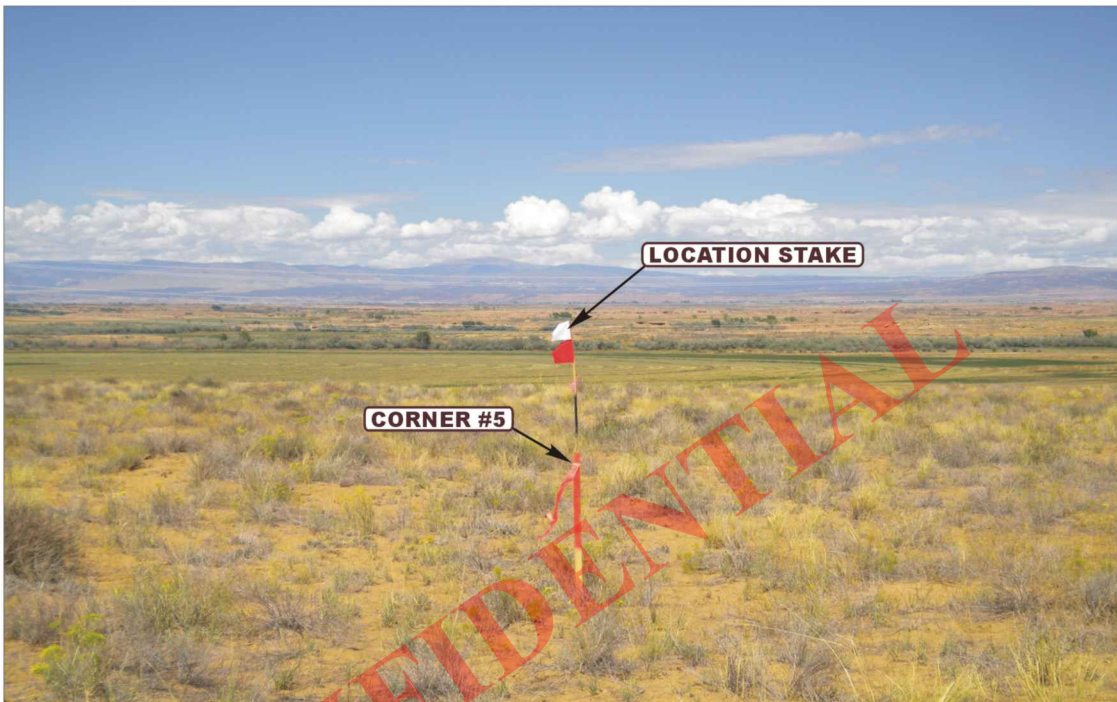


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHERLY



- Since 1964 -

**U
E
L
S**

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

LOCATION PHOTOS

09
MONTH

13
DAY

13
YEAR

PHOTO

TAKEN BY: C.R.

DRAWN BY: S.O.

REVISED: 00-00-00

BILL BARRETT CORPORATION

LOCATION LAYOUT FOR

FD #5-32-2-2

SECTION 32, T2S, R2E, U.S.B.&M.

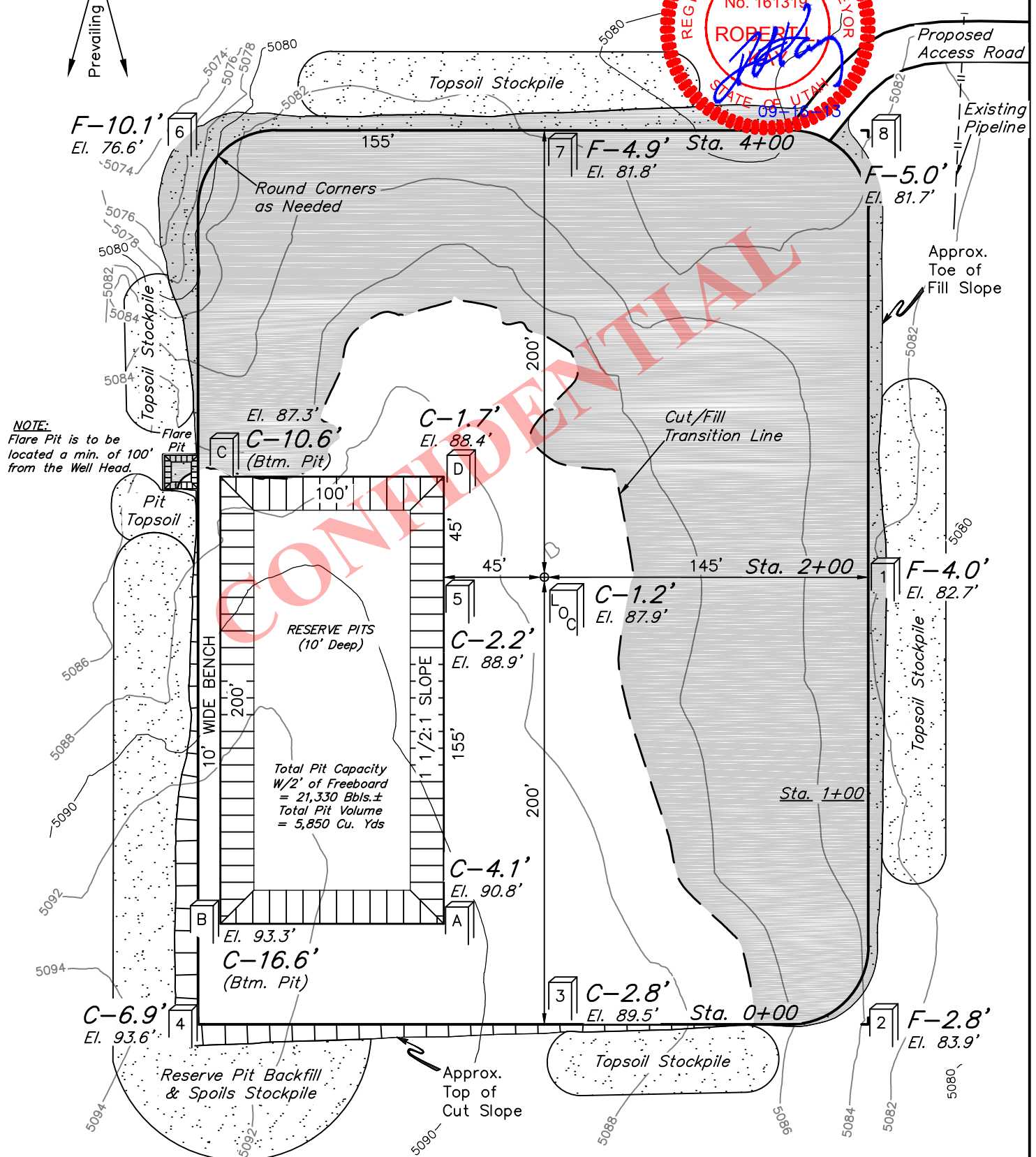
1865' FNL 1240' FWL

FIGURE #1

SCALE: 1" = 60'

DATE: 09-11-13

DRAWN BY: T.R.



Elev. Ungraded Ground At Loc. Stake = 5087.9'
 FINISHED GRADE ELEV. AT LOC. STAKE = 5086.7'

UINTAH ENGINEERING & LAND SURVEYING
 85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

RECEIVED: October 16, 2013

BILL BARRETT CORPORATION**TYPICAL CROSS SECTIONS FOR**

FD #5-32-2-2

SECTION 32, T2S, R2E, U.S.B.&M.

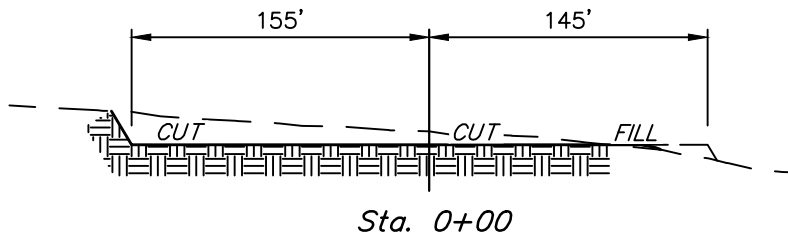
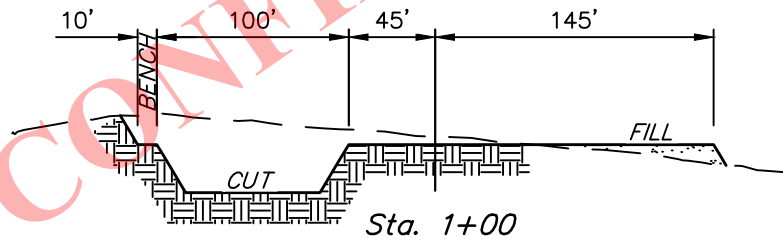
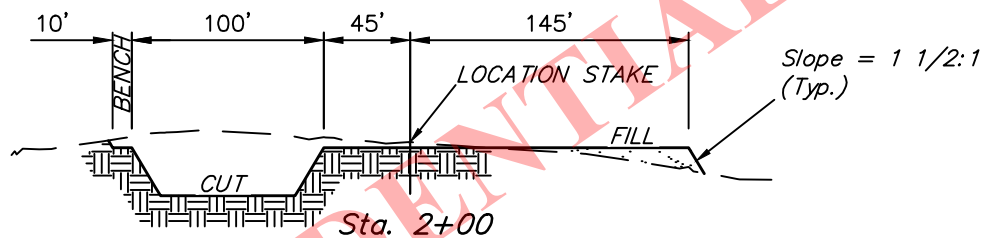
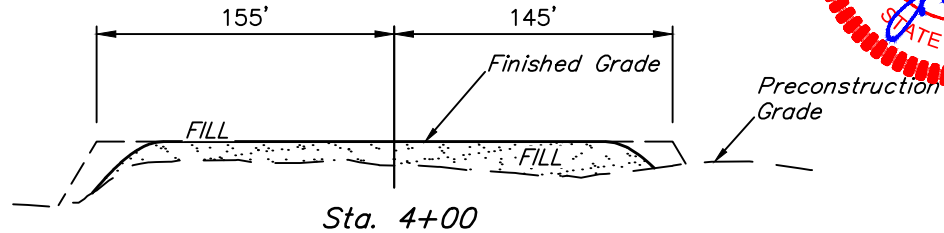
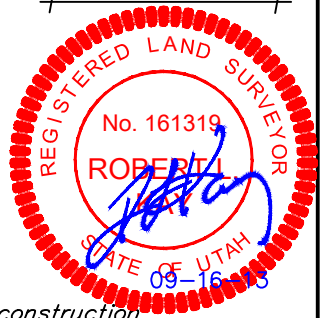
1865' FNL 1240' FWL

FIGURE #2

1" = 40'
X-Section
Scale
1" = 100'

DATE: 09-11-13

DRAWN BY: T.R.

**NOTE:**

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE ACREAGE

WELL SITE DISTURBANCE = ± 4.830 ACRES
ACCESS ROAD DISTURBANCE = ± 0.050 ACRES
PIPELINE DISTURBANCE = ± 0.060 ACRES
TOTAL = ± 4.940 ACRES

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping = 2,390 Cu. Yds.
Remaining Location = 10,690 Cu. Yds.
TOTAL CUT = 13,080 CU. YDS.
FILL = 7,760 CU. YDS.

EXCESS MATERIAL = 5,320 Cu. Yds.
Topsoil & Pit Backfill = 5,320 Cu. Yds.
(1/2 Pit Vol.)
EXCESS UNBALANCE = 0 Cu. Yds.
(After Interim Rehabilitation)

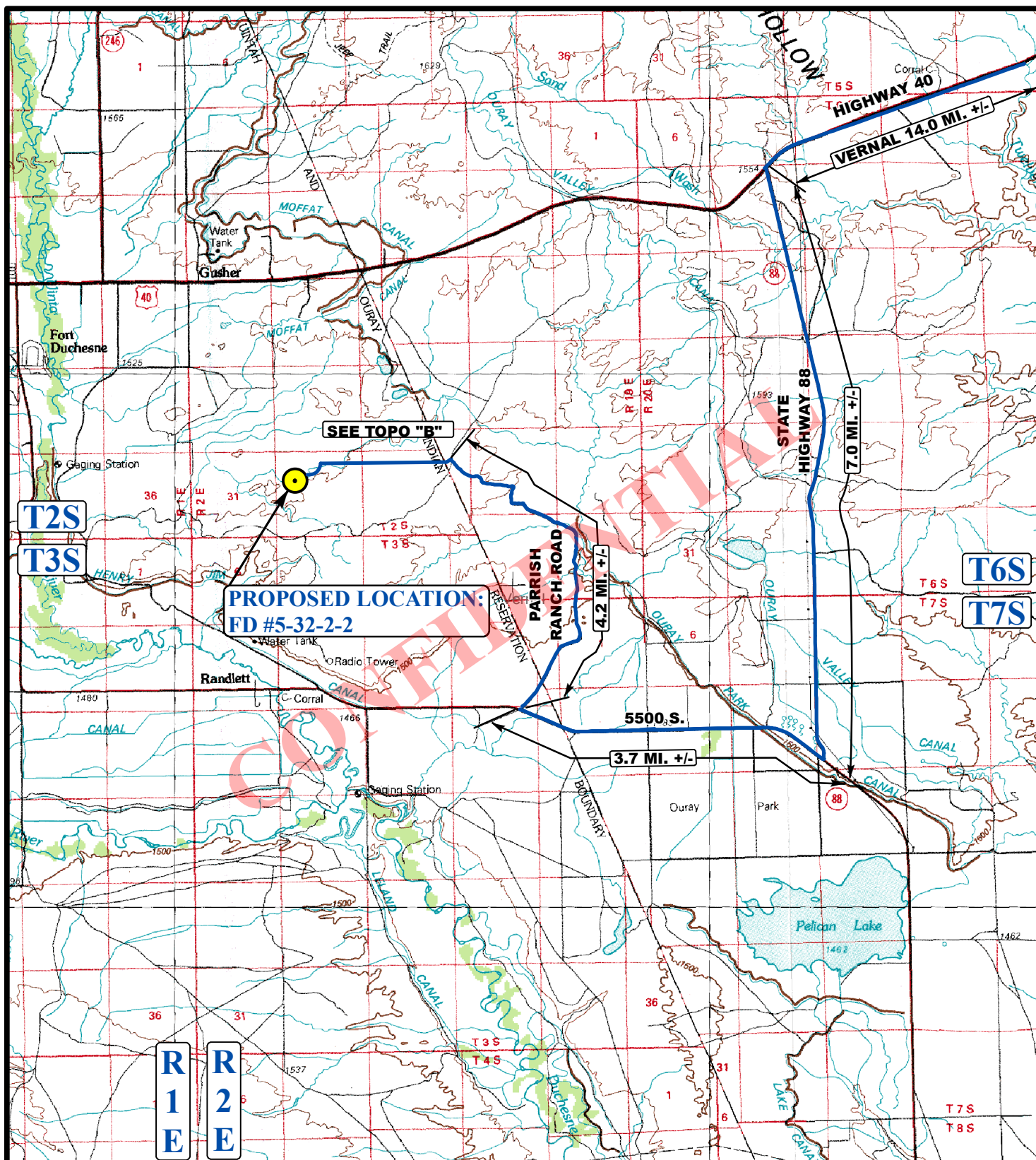
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RECEIVED: October 16, 2013

BILL BARRETT CORPORATION
FD #5-32-2-2
SECTION 32, T2S, R2E, U.S.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF THIS ROAD AND STATE HIGHWAY 88 TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 7.0 MILES TO THE JUNCTION OF THIS ROAD AND 5500 S. TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY, THEN WESTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 3.7 MILES TO THE JUNCTION OF THIS ROAD AND PARRISH RANCH ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY, THEN NORTHERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 4.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN LEFT AND PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 1.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY, THEN WESTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTH; FOLLOW ROAD FLAGS IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 110' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 30.8 MILES.

**LEGEND:**

 **PROPOSED LOCATION**

**BILL BARRETT CORPORATION**

FD #5-32-2-2
SECTION 32, T2S, R2E, U.S.B.&M.
1865' FNL 1240' FWL



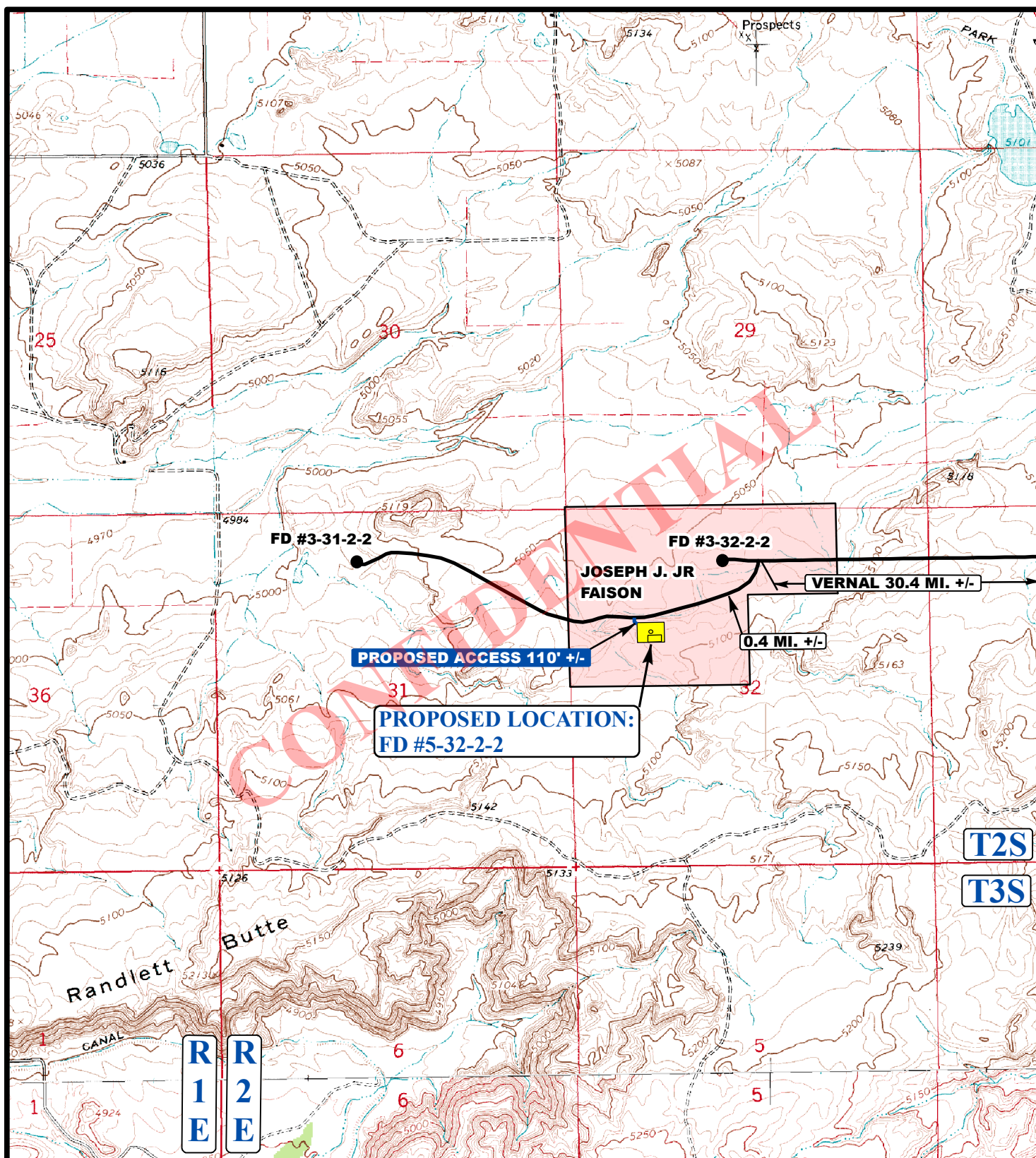
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

ACCESS ROAD
MAP

09 **13** **13**
 MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: S.O. REVISED: 00-00-00



**LEGEND:**

- EXISTING ROADS
 - - - - - PROPOSED ACCESS ROAD

**BILL BARRETT CORPORATION**

FD #5-32-2-2
SECTION 32, T2S, R2E, U.S.B.&M.
1865' FNL 1240' FWL



Uintah Engineering & Land Surveying
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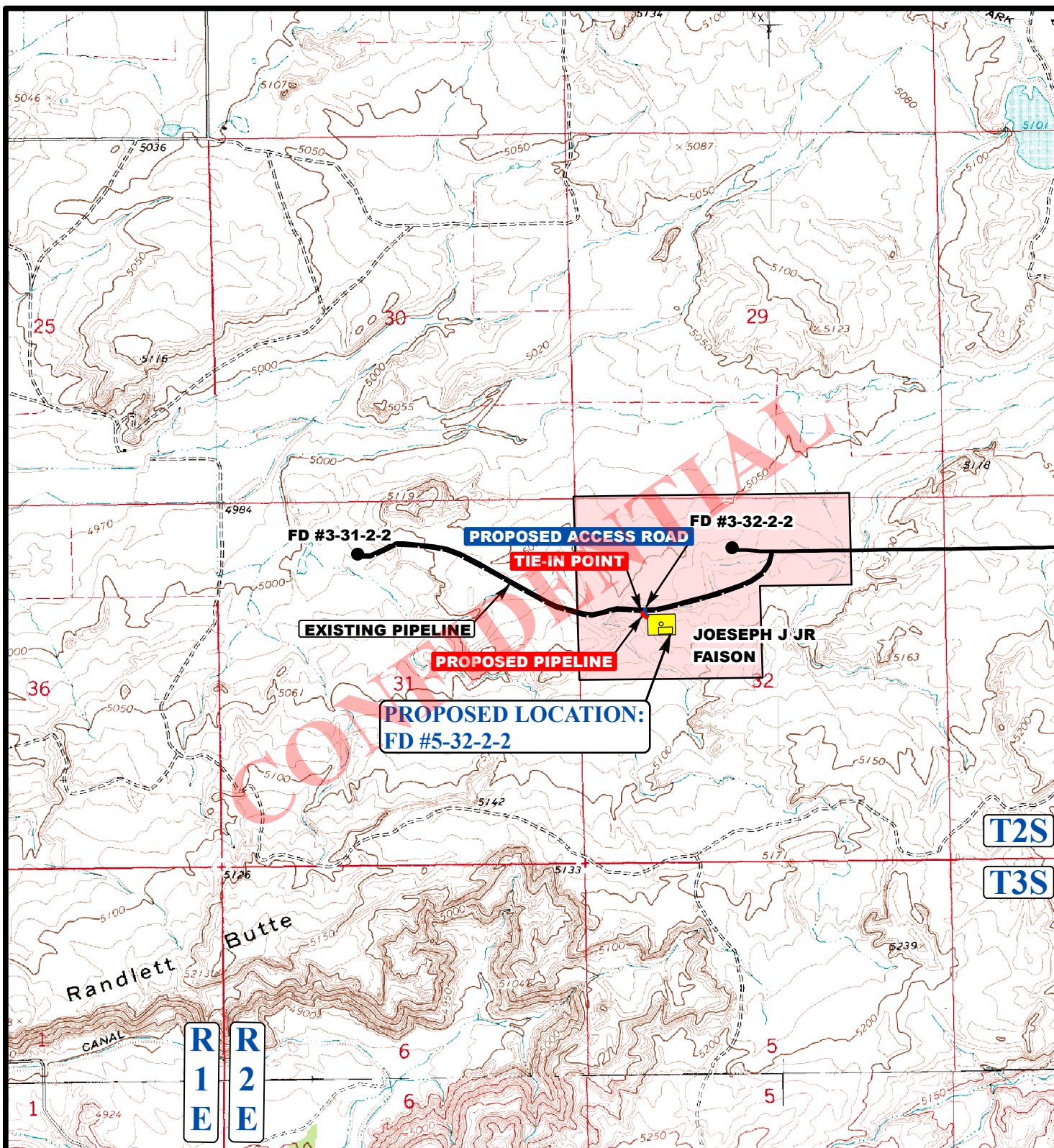
ACCESS ROAD
MAP

09 **13** **13**
 MONTH DAY YEAR

SCALE: 1"=2000' DRAWN BY: S.O. REVISED: 00-00-00



RECEIVED: October 16, 2013



APPROXIMATE TOTAL PIPELINE DISTANCE = 141' +/-

LEGEND:

- EXISTING ROADS
- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE

BILL BARRETT CORPORATION

FD #5-32-2-2
SECTION 32, T2S, R2E, U.S.B.&M.
1865' FNL 1240' FWL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813



TOPOGRAPHIC
MAP

SCALE: 1"=2000'

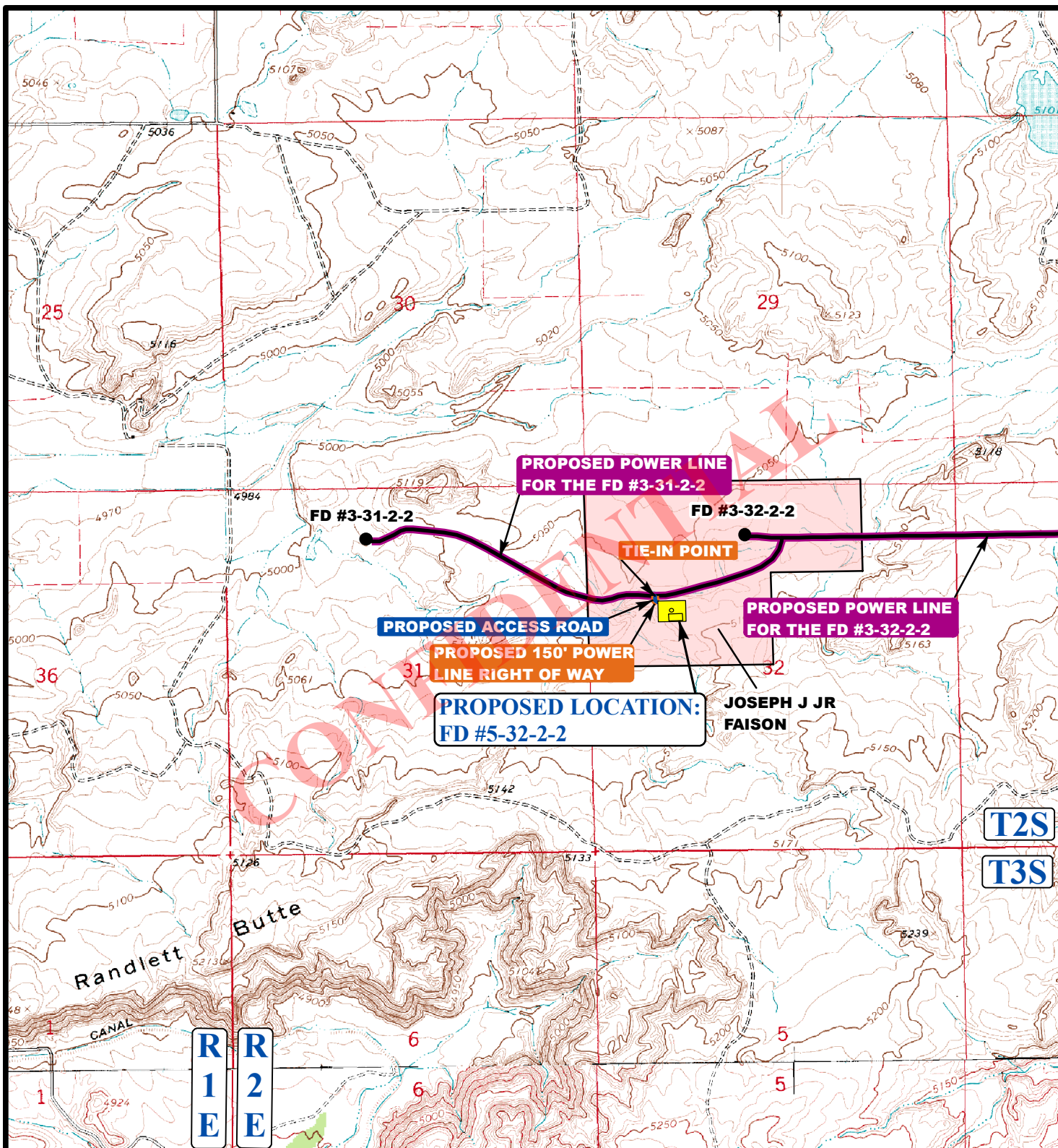
DRAWN BY: S.O.

09 **13** **13**
 MONTH DAY YEAR

REVISED: 00-00-00



RECEIVED: October 16, 2013



APPROXIMATE TOTAL POWER LINE DISTANCE = 119' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- - - - - EXISTING POWER LINE
- PROPOSED POWER LINE
- PROPOSED POWER LINE (SERVICING OTHER WELLS)



Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813



BILL BARRETT CORPORATION

FD #5-32-2-2
SECTION 32, T2S, R2E, U.S.B.&M.
1865' FNL 1240' FWL

**TOPOGRAPHIC
MAP**

09 **13** **13**
MONTH DAY YEAR

SCALE: 1"=2000' DRAWN BY: S.O. REVISED: 00-00-00



SURFACE USE AGREEMENT
(FD 5-32-2-2)

THIS AGREEMENT Dated October 21, 2013 by and between _____
Joseph J. Faison, Jr., Trustee of the Amended and Restated
Joseph J. Faison, Jr. Revocable Trust dated September 16, 2013
whose address is 604 4th Ave., Fayetteville, TN 37334
phone # (931-433-1087) _____, hereinafter referred to as "Surface Owner", and
Bill Barrett Corporation and its Subsidiaries _____, whose address is 1099 18th Street, #2300, Denver, CO 80202
hereinafter referred to as "Operator".

WITNESSETH:

WHEREAS, Surface Owner represents that they are the owners in fee and in possession of the surface estate for the following described lands in **Uintah** County, **Utah** , hereinafter referred to as "Lands", to wit:
A Tract of land lying in the **S/2NW/4, Section 32, Township 2 South, Range 2 East, USM**, as further described on Exhibit "A" attached hereto and made a part hereof.

WHEREAS, Operator has or will acquire certain leasehold interests within the next five (5) years in the oil and gas mineral estate in the Lands and proposes to conduct drilling and subsequent production operations on the Lands; and

WHEREAS, Surface Owner is generally aware of the nature of the operations which may be conducted under oil and gas leases covering the mineral estate of the Lands; and

WHEREAS, the parties believe that it is in their mutual best interest to agree to the amount of damages to be assessed incident to the operations of Operator on the premises in the exploration for, development and production of oil, gas and/or other leasehold substances under the terms of those certain oil and gas leases now owned or which may be acquired by Operator covering portions of the mineral estate of the Lands; and,

WHEREAS, the parties believe that a reasonable estimate can be made of the damages which will result from the exploration, development and production operations contemplated by such oil and gas leases.

NOW, THEREFORE, in consideration of ten dollars and other valuable consideration, the sufficiency of which is hereby acknowledged, the parties agree as follows:

1. Operator has the right of ingress and egress and to the use of those portions of the Lands which it requires for oil and gas exploration, development and production operations, including tank batteries and other production facilities and the transportation of produced substances from the leasehold, and also the right to construct and use roads and pipelines across portions of the Lands. Operator shall pay Surface Owner as liquidated damages the following sum as full settlement and satisfaction of all damages growing out of, incident to, or in connection with the usual and customary exploration, drilling, completion, sidetracking, reworking, equipping and production operations, contemplated by the oil and gas leases covering the Lands, unless otherwise specifically provided herein:

2. Operator agrees to consult with the surface owner and/or tenant as to all routes of ingress and egress. Prior to the construction of any roads, pipelines, tank battery installations, or installation of any other equipment on the leased premises, Operator shall consult with the surface owner and/or tenant as to the location and direction of same.

3. It is the intention of the parties hereto to cause as little interference with farming operations on the leased premises as reasonably possible, including but specifically not limited to the operation of any pivotal irrigation sprinkler system, or any other irrigation method. If any circular irrigation sprinkler system is in use at the time of initial drilling operations on the leased premises, then any subsequent production equipment, including but specifically not limited to pump jacks, hydraulic lifting equipment, or any other equipment necessary to produce any oil or gas from such well, shall be recessed to such depths, or ramps constructed, so as to allow the continued use of such circular irrigation system.

4. In the event any well hereunder is plugged and abandoned, Operator agrees that Operator will, within a reasonable time, restore Surface Owner's surface estate as near as practical to its original condition found prior to Operator's operations. It is understood and agreed that Surface Owner may elect in writing, prior to cessation of operations of Operator, to have any road constructed under the terms of this Agreement remain upon the property, in which event Operator agrees to leave such road or roads in reasonable condition.

5. Operator is responsible for acquiring all necessary permits, licenses, fees, etc. incident to its operations on the Lands.

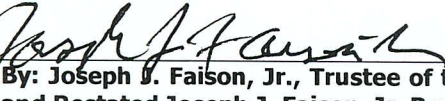
6. In the event Surface Owner considers that Operator has not complied with all its obligations hereunder, both express and implied, Surface Owner shall notify Operator in writing, setting out specifically in what respects Operator has breached this contract. Operator shall then have sixty (60) days to meet or commence to meet all or any part of the breaches alleged by Surface Owner. The service of said notice shall be precedent to the bringing of any action by Surface Owner for any cause, and no such action shall be brought until the lapse of sixty (60) days after service of such notice on Operator. In the event of litigation, the prevailing party's reasonable attorney's fees will be paid by the opposing party.

7. Operator shall be responsible and shall remain liable for any environmental problems on the subject lands which are caused by or through its operations. To the extent that any such claims are asserted, Operator will be responsible for any remediation required as provided by state regulations. This assumption of liability, however, does not include any third-party operations on the subject lands or any Surface Owner actions which could cause environmental problems but is limited solely to the actions of Operator. Operator hereby indemnifies and holds harmless Surface Owner from any and all environmental problems it causes on the Lands.

8. In the event Surface Owner owns less than the entire fee interest in the Lands, then any payment stated herein shall be proportionately reduced to the interest owned.
9. This Agreement shall remain in full force and effect from the date hereof and for so long thereafter as Operator's oil and gas operations affecting the Lands are in effect.
10. When the word "Operator" is used in this Agreement, it shall also mean the successors and assigns of Operator, including but not limited to its employees and officers, agents, affiliates, contractors, subcontractors and/or purchasers.
11. This Agreement shall be binding upon and inure to the benefit of the heirs, successors and assigns of the parties.

ADDITIONAL PROVISIONS:

SURFACE OWNER:


By: Joseph J. Faison, Jr., Trustee of the Amended
and Restated Joseph J. Faison, Jr. Revocable Trust
dated September 16, 2013

OPERATOR:

Bill Barrett Corporation

Mitchell J. Reneau, Vice President – Land

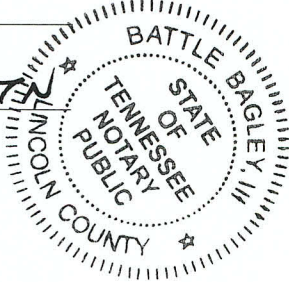
ACKNOWLEDGMENT

STATE OF TENNESSEE }
COUNTY OF LINCOLN } SS

BEFORE me, the undersigned, a Notary Public in and for said County and State, on this 1ST day of NOVEMBER, 2013, personally appeared **Joseph J. Faison, Jr. in the capacity as stated above**, known to be the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth. Given under my hand and seal the day and year last above written.


NOTARY PUBLIC

Residing at: FAYETTEVILLE, TN



ACKNOWLEDGMENT

STATE OF COLORADO }
CITY & COUNTY OF DENVER } SS

On the _____ day of _____, 2013, before me the undersigned authority, appeared **Mitchell J. Reneau**, to me personally known, who, being sworn, did say that they are the Vice President – Land for Bill Barrett Corporation, and that the foregoing instrument was signed in behalf of said partnership and Appearer acknowledged to me that said instrument to be the free act and deed of the partnership.

NOTARY PUBLIC

Residing at: _____

BILL BARRETT CORPORATION

LOCATION SURFACE USE AREA
& ROAD RIGHT-OF-WAY ON
FEE LANDS

(For FD #5-32-2-2)

LOCATED IN
SECTION 32, T2S, R2E, U.S.B.&M.,
UNTAH COUNTY, UTAH

NE Section Corner
Re-Established
Using Double
Proportion Method
(Not Set On Ground)

ROAD RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE SW 1/4 NW 1/4 OF SECTION 32, T2S, R2E, U.S.B.&M., WHICH BEARS N46°16'21"E 1374.55' FROM THE WEST 1/4 CORNER OF SAID SECTION 32, THENCE S01°13'21"W 56.33'; THENCE S51°28'39"E 16.77' TO A POINT IN THE SW 1/4 NW 1/4 OF SAID SECTION 32, WHICH BEARS N48°41'30"E 1338.21' FROM THE NORTHWEST CORNER OF SAID SECTION 32. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.050 ACRES MORE OR LESS.

SURFACE USE AREA DESCRIPTION

BEGINNING AT A POINT IN THE SW 1/4 NW 1/4 OF SECTION 32, T2S, R2E, U.S.B.&M., WHICH BEARS N48°41'30"E 1338.21' FROM THE WEST 1/4 CORNER OF SAID SECTION 32, THENCE N28°33'44"E 36.11'; THENCE N75°37'40"E 129.71'; THENCE N89°05'13"E 227.66'; THENCE S52°57'14"E 142.29'; THENCE S01°23'16"E 186.22'; THENCE S28°02'44"E 63.38'; THENCE S06°05'41"W 75.81'; THENCE S65°24'13"W 88.65'; THENCE N89°16'36"W 410.98'; THENCE N34°12'14"W 128.95'; THENCE N00°21'25"E 189.39'; THENCE N28°33'44"E 71.75'; THENCE TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 4.830 ACRES MORE OR LESS.

LINE TABLE	
LINE	DIRECTION LENGTH
L1	S01°13'21"W 56.33'
L2	S51°28'39"E 16.77'
L3	S51°28'39"E 37.14'
L4	N28°33'44"E 36.11'
L5	N75°37'40"E 129.71'
L6	N89°05'13"E 227.66'
L7	S52°57'14"E 142.29'
L8	S01°23'16"E 186.22'
L9	S28°02'44"E 63.38'
L10	S06°05'41"W 75.81'
L11	S65°24'13"W 88.65'
L12	N89°16'36"W 410.98'
L13	N34°12'14"W 128.95'
L14	N00°21'25"E 189.39'
L15	N28°33'44"E 71.75'

JOSEPH J. JR
FAISON

Existing Road

BEGINNING OF PROPOSED
ROAD RIGHT-OF-WAY
STA. 0+00
(At Existing Road)

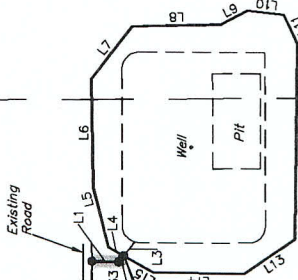
END OF PROPOSED ROAD
RIGHT-OF-WAY
STA. 0+73.10
(At Edge of Surface Use Area)

BEGINNING OF ROAD STA. 0+00 BEARS
N46°16'21"E 1374.55' FROM THE WEST 1/4
CORNER OF SECTION 32, T2S, R2E, U.S.B.&M.

END OF ROAD STA. 0+73.10 BEARS
N48°41'30"E 1338.21' FROM THE WEST 1/4
CORNER OF SECTION 32, T2S, R2E, U.S.B.&M.

JOSEPH J. JR
FAISON

SURFACE USE AREA
FD #5-32-2-2
Contains 4.830 Acres



N00°31'17"W - 2654.67' (Meas.)

Section Line

1/16 Section Line

NW 1/4

NE 1/4

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

BASIS OF BEARINGS

SCALE



RIGHT-OF-WAY LENGTHS

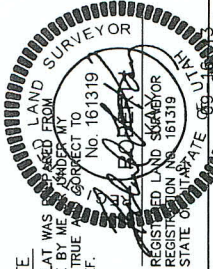
PROPERTY OWNER	FEET	ACRES	RODS
JOSEPH J. JR FAISON	73.10	0.050	4.43

▲ = SECTION CORNERS LOCATED.

△ = SECTION CORNERS
RE-ESTABLISHED.
(Not Set on Ground.)

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO
THE BEST OF MY KNOWLEDGE AND BELIEF.



UNTAH ENGINEERING & LAND SURVEYING
85 SOUTH - 200 EAST • (435) 789-1017
VERNAL, UTAH - 84078

SCALE 1" = 300'

DATE 09-12-13

PARTY C.R. J.S. T.R.

REFERENCES G.L.O. PLAT

WEATHER FILE

HOT 5 5 0 3 7

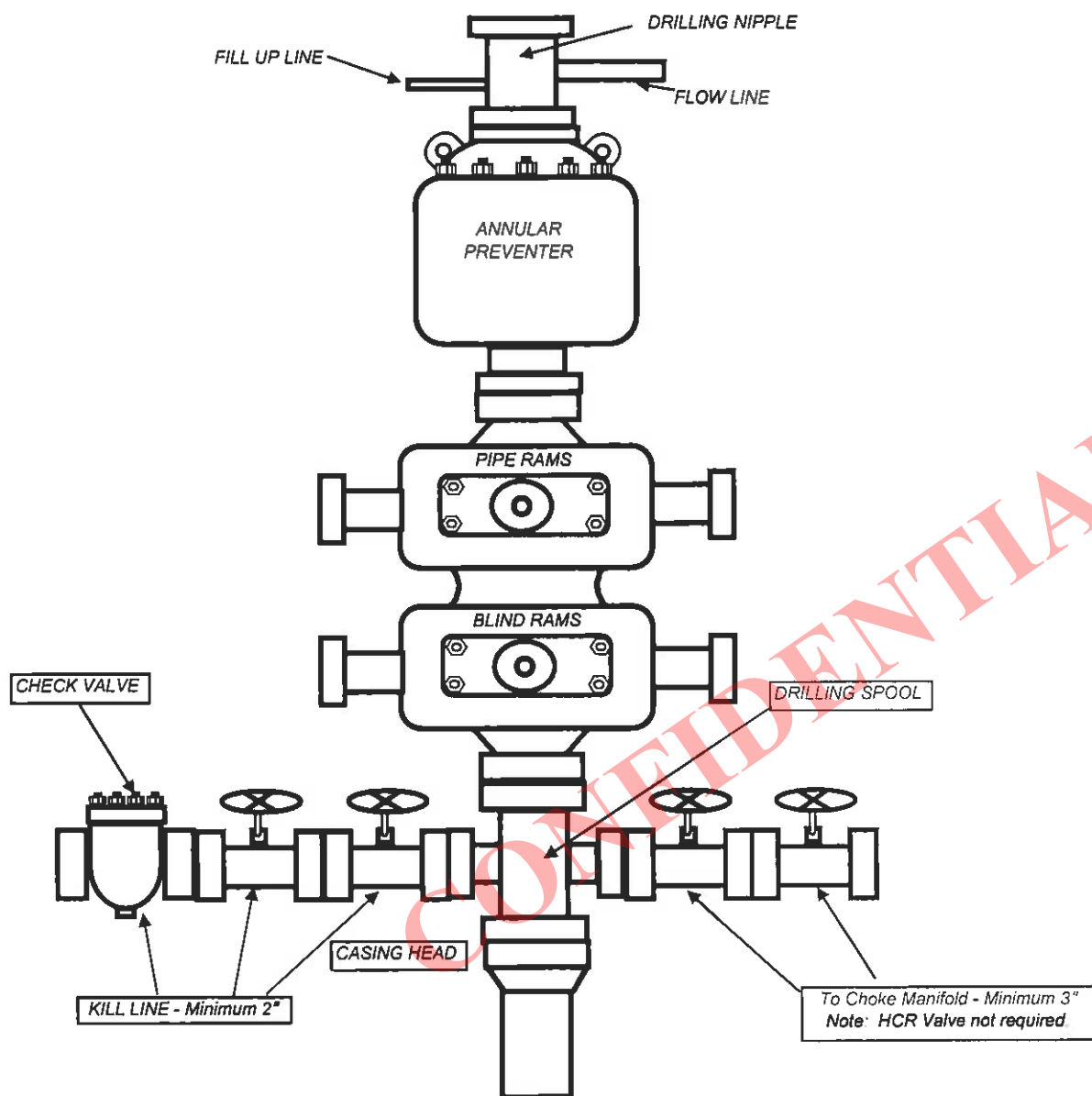
Sec. 32

SE 1/4

SW 1/4

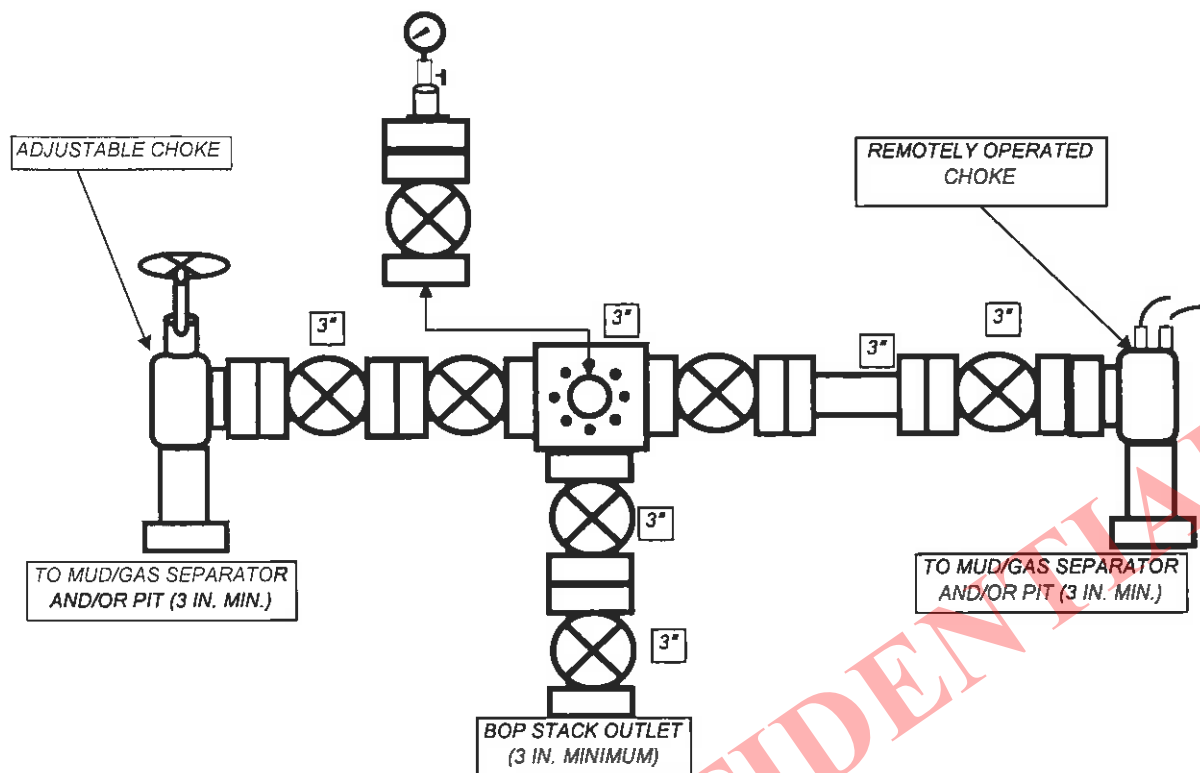
BILL BARRETT CORPORATION

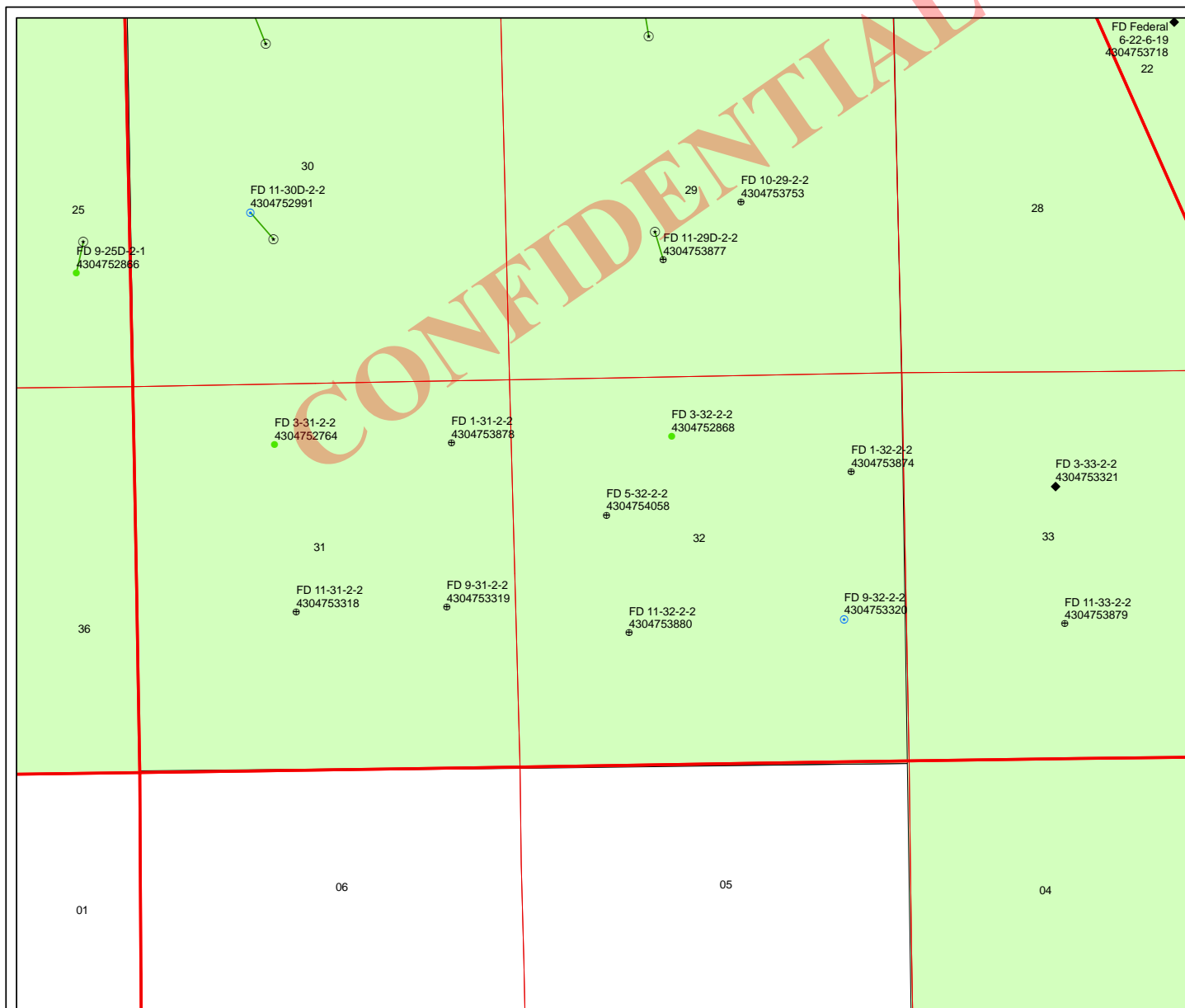
TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER



BILL BARRETT CORPORATION

TYPICAL 5,000 p.s.i. CHOKE MANIFOLD





API Number: 4304754058

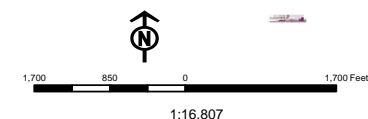
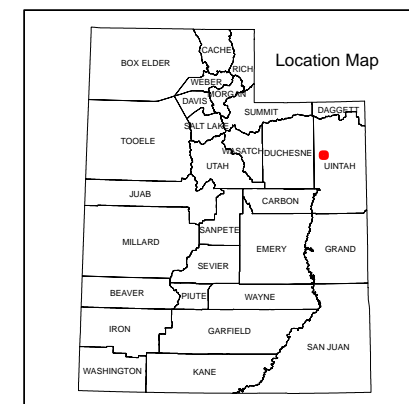
Well Name: FD 5-32-2-2

Township: T02.0S Range: R02.0E Section: 32 Meridian: U

Operator: BILL BARRETT CORP

Map Prepared: 10/17/2013
Map Produced by Diana Mason

Wells Query		Units	
Status		STATUS	
APD - Aproved Permit		ACTIVE	
DRL - Spuded (Drilling Commenced)		EXPLORATORY	
GIW - Gas Injection		GAS STORAGE	
GS - Gas Storage		NF PP OIL	
LOC - New Location		NF SECONDARY	
OPS - Operation Suspended		PI OIL	
PA - Plugged Abandoned		PP GAS	
PGW - Producing Gas Well		PP GEOTHERML	
POW - Producing Oil Well		PP OIL	
SGW - Shut-in Gas Well		SECONDARY	
SOW - Shut-in Oil Well		TERMINATED	
TA - Temp. Abandoned			
TW - Test Well			
WOW - Water Disposal			
WW - Water Injection Well			
WSW - Water Supply Well			



Well Name	BILL BARRETT CORP FD 5-32-2-2 43047540580000			
String	Cond	Surf	Prod	
Casing Size(in)	16.000	9.625	5.500	
Setting Depth (TVD)	80	3700	9716	
Previous Shoe Setting Depth (TVD)	0	80	3700	
Max Mud Weight (ppg)	8.7	8.7	9.5	
BOPE Proposed (psi)	0	500	5000	
Casing Internal Yield (psi)	1000	3520	10640	
Operators Max Anticipated Pressure (psi)	4800		9.5	

Calculations	Cond String	16.000	"
Max BHP (psi)	.052*Setting Depth*MW=	36	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	26	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	18	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	18	NO
Required Casing/BOPE Test Pressure=		80	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

Calculations	Surf String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	1674	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1230	NO air/mist/fresh wtr spud mud
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	860	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	878	NO
Required Casing/BOPE Test Pressure=		2464	psi
*Max Pressure Allowed @ Previous Casing Shoe=		80	psi *Assumes 1psi/ft frac gradient

Calculations	Prod String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	4800	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3634	YES 5M BOPE, ram type, 5M annular
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2662	YES
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3476	YES
Required Casing/BOPE Test Pressure=		5000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		3520	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

Production
9716. MD

Ship center.

Well name:	43047540580000 FD 5-32-2-2	
Operator:	BILL BARRETT CORP	Project ID:
String type:	Surface	43-047-54058
Location:	UINTAH COUNTY	

Design parameters:**Collapse**

Mud weight: 8.700 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 126 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Burst:

Design factor 1.00

Cement top: Surface

Burst

Max anticipated surface pressure: 3,256 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 3,700 psi

Annular backup: 1.50 ppg

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Non-directional string.

Tension is based on buoyed weight.
Neutral point: 3,224 ft

Re subsequent strings:

Next setting depth: 9,716 ft
Next mud weight: 9.500 ppg
Next setting BHP: 4,795 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 3,700 ft
Injection pressure: 3,700 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	3700	9.625	36.00	J-55	LT&C	3700	3700	8.796	30256
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	1672	2020	1.208	3412	3520	1.03	116.1	453	3.90 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: November 20, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 3700 ft, a mud weight of 8.7 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	43047540580000 FD 5-32-2-2	
Operator:	BILL BARRETT CORP	Project ID:
String type:	Production	43-047-54058
Location:	UINTAH COUNTY	

Design parameters:**Collapse**

Mud weight: 9.500 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 210 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 3,104 ft

Burst

Max anticipated surface pressure: 2,657 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 4,795 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Non-directional string.

Tension is based on buoyed weight.
Neutral point: 8,316 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	9716	5.5	17.00	P-110	LT&C	9716	9716	4.767	63997
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	4795	7480	1.560	4795	10640	2.22	141.4	445	3.15 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: November 20, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 9716 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator BILL BARRETT CORP
Well Name FD 5-32-2-2
API Number 43047540580000 **APD No** 8746 **Field/Unit** WILDCAT
Location: 1/4,1/4 SWNW **Sec** 32 **Tw** 2.0S **Rng** 2.0E 1865 FNL 1240 FWL
GPS Coord (UTM) 602173 4458183 **Surface Owner** Joseph Fasslin

Participants

Kary Eldredge and Jake Woodland (Bill Barrett Corporation), Cody Rich (surveyor), Jim Burns (permit contractor), Terra Miller (land contractors)

Regional/Local Setting & Topography

This proposed well site is just over 2 miles south and east of Gusher, Utah which is approximately midway between the much larger towns of Vernal and Roosevelt, Utah. The terrain here is made up of small scattered hills and dry washes. The soil is mostly quite permeable sandy loam which supports sage brush and various desert grasses. Drainage is generally to the north toward a series of washes, wetlands and ponds. This lower lying drainage area trends toward the west and scattered throughout, where topography and water permits, are irrigated alfalfa hay fields. This site sits atop a long hill which rises to the east and slopes down to the west. On the north and south the hill drops off more steeply. There is some exposed ledge rock.

Surface Use Plan

Current Surface Use
Wildlfe Habitat

New Road Miles	Well Pad	Src Const Material	Surface Formation
0.02	Width 300 Length 400	Offsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N
To west of location

Flora / Fauna
Cheat grass, sage brush, rabbit brush
Pronghorn habitat

Soil Type and Characteristics
Sandy loam soil with some exposed ledge rock

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N**Drainage Diversion Required?** N**Berm Required?** Y

slopes away from location, wetland to the west

Erosion Sedimentation Control Required? N**Paleo Survey Run?** N **Paleo Potential Observed?** N **Cultural Survey Run?** N **Cultural Resources?** N**Reserve Pit****Site-Specific Factors****Site Ranking**

Distance to Groundwater (feet)	25 to 75	15
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	High permeability	20
Fluid Type	TDS>10000	15
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)		0
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
Final Score		50 1 Sensitivity Level

Characteristics / Requirements

The reserve pit is proposed in a cut stable location. Dimensions are 200 x 100 x 10ft. Bill Barrett representative Kary Eldredge stated that a 20 mil reserve pit liner and felt subliner will be used. This liner program appears adequate for this location.

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y**Other Observations / Comments**

Richard Powell
Evaluator

11/6/2013
Date / Time

Application for Permit to Drill

Statement of Basis

Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
8746	43047540580000	LOCKED	OW	P	No
Operator	BILL BARRETT CORP		Surface Owner-APD	Joseph Fasslin	
Well Name	FD 5-32-2-2		Unit		
Field	WILDCAT		Type of Work	DRILL	
Location	SWNW 32 2S 2E U 1865 FNL (UTM) 602180E 4458181N		1240 FWL GPS Coord		

Geologic Statement of Basis

Bill Barrett proposes to set 80 feet of conductor and 3,700 feet of surface casing at this location. The entire surface hole will be drilled with fresh water mud. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 3,600'. A search of Division of Water Rights records shows 1 water well within a 10,000 foot radius of the center of Section 32. The well is 60 feet in depth with listed uses as domestic, irrigation and stock watering. This well is located over 1.5 miles from the proposed location. The well probably produces water from near-surface alluvium and the Uinta Formation. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement should adequately protect ground water in this area.

Brad Hill
APD Evaluator

11/20/2013
Date / Time

Surface Statement of Basis

This well is on fee surface with fee minerals. Surface owner Vernon Richens was invited to this onsite and several other well sites on Mr. Richens land to be visited this day. I spoke with Mr. Richens to discuss the well sites in general and he stated that prior to placement of the wells on the Richens land, he was consulted by Bill Barrett Corporation and all locations were placed such that his farming and livestock operation would not be disturbed. Mr. Richens chose not to participate in the days presite inspections but expressed that he had no concerns with any of the proposed locations. According to Kary Eldredge a 20 mil liner will be used for this reserve pit. This liner will be adequate for the location. Due to very permeable soils, sloping terrain and a wetland to the west, this well pad must be bermed to keep any leaked or spilled fluids contained to the pad. This appears to be a good site for this well.

Richard Powell
Onsite Evaluator

11/6/2013
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/16/2013

API NO. ASSIGNED: 43047540580000

WELL NAME: FD 5-32-2-2

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303 312-8115

CONTACT: Brady Riley

PROPOSED LOCATION: SWNW 32 020S 020E

Permit Tech Review: ☒

SURFACE: 1865 FNL 1240 FWL

Engineering Review: ☒

BOTTOM: 1865 FNL 1240 FWL

Geology Review: ☒

COUNTY: UINTAH

LATITUDE: 40.26786

LONGITUDE: -109.79825

UTM SURF EASTINGS: 602180.00

NORTHINGS: 4458181.00

FIELD NAME: WILDCAT

LEASE TYPE: 4 - Fee

LEASE NUMBER: fee

PROPOSED PRODUCING FORMATION(S): GREEN RIVER(LWR)-WASATCH

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

LOCATION AND SITING:

☒ PLAT☐ R649-2-3.☒ Bond: STATE - LPM4138148

Unit:

☐ Potash☐ R649-3-2. General☐ Oil Shale 190-5☐ Oil Shale 190-3☐ R649-3-3. Exception☐ Oil Shale 190-13☒ Drilling Unit☒ Water Permit: 49-1645

Board Cause No: Cause 139-106

☐ RDCC Review:

Effective Date: 11/14/2013

☒ Fee Surface Agreement

Siting: 660' Fr Drlg U Bdry & 990' Fr Other Wells

☐ Intent to Commingle☐ R649-3-11. Directional Drill

Commingle Approved

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhill
12 - Cement Volume (3) - hmadonald
25 - Surface Casing - hmadonald
27 - Other - hmadonald

RECEIVED: December 03, 2013



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: FD 5-32-2-2

API Well Number: 43047540580000

Lease Number: fee

Surface Owner: FEE (PRIVATE)

Approval Date: 12/3/2013

Issued to:

BILL BARRETT CORP, 1099 18th Street Ste 2300, Denver, CO 80202

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-106. The expected producing formation or pool is the GREEN RIVER(LWR)-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Cement volume for the 5 1/2" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 3200' MD as indicated in the submitted drilling plan.

A properly lubricated and maintained rotating head shall be in place when drilling with air.

Surface casing shall be cemented to the surface.

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this

well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
- contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

Approved By:

A handwritten signature in black ink, appearing to read "J. Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FD 5-32-2-2	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047540580000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1865 FNL 1240 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 32 Township: 02.0S Range: 02.0E Meridian: U	COUNTY: UINTAH	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 1/6/2014	<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="change to drill plan"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Bill Barrett Corporation is requesting permission to revise the drilling plan for this well: Surface casing set depth: 1200'; Surface casing description: 8-5/8" 24# J55 STC (Hole size remains at 12-1/4" hole); Surface cement volumes: 160 sx 11.0 ppg lead (75% excess) 270 sx 14.8 ppg tail (75% excess); Production Hole and Casing size remains the same; Production grade changing to: P-110 OR I-80.

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: January 09, 2014

By: *D. K. Duff*

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 1/6/2014

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FD 5-32-2-2	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047540580000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1865 FNL 1240 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 32 Township: 02.0S Range: 02.0E Meridian: U	COUNTY: UINTAH	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 2/3/2014			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This well was spud on 2/3/14 at approximately 11:00 am by Triple A Drilling, Rig #TA4037, Type Soilmec SR/30.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 February 03, 2014

NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A		DATE 2/3/2014

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: fee
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: FD 5-32-2-2
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1865 FNL 1240 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 32 Township: 02.0S Range: 02.0E Meridian: U		9. API NUMBER: 43047540580000
PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: WILDCAT
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 2/28/2014	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100%;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Attached is the February 2014 Drilling Activity for this well.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 04, 2014		
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 3/3/2014	

**5-32-2-2 FD 2/8/2014 06:00 - 2/9/2014 06:00**

API 43-047-54058	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status	Total Depth (ftKB) 9,258.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	2	DRILL ACTUAL	R/U PRO-PETRO - DRILL 1245' 12 1/4 SURFACE HOLE - T.O.O.H. - RUN 8 5/8 CSG - CIRC - CEMENT

5-32-2-2 FD 2/12/2014 06:00 - 2/13/2014 06:00

API 43-047-54058	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status	Total Depth (ftKB) 9,258.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	1	RIGUP & TEARDOWN	R/U CAMPS - WAIT ON RIG LOADS SET SUB, DERRICK, PITS, SOLIDS CONTROL EQUIPMENT, DOG HOUSE - WAITING ON MUD PUMPS WHICH HAVE BEEN STUCK AT COLORADO PORT OF ENTRY DUE TO OVER WT. - WAIT ON DAYLIGHT

5-32-2-2 FD 2/13/2014 06:00 - 2/14/2014 06:00

API 43-047-54058	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status	Total Depth (ftKB) 9,258.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	1	RIGUP & TEARDOWN	WAIT ON DAYLIGHT
07:00	23.00	06:00	1	RIGUP & TEARDOWN	PREP TO RAISE DERRICK - RAISE DERRICK - PREP RIG FLOOR - R/U MUD TANKS - WAIT ON MUD PUMPS TO ARRIVE ON LOCATION - MUD PUMP #1 ARRIVED ON LOCATION @ 16:00 HRS - SET MUD PUMP - R/U ELECTRICAL - WAITING ON MUD PUMP # 2

5-32-2-2 FD 2/14/2014 06:00 - 2/15/2014 06:00

API 43-047-54058	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status	Total Depth (ftKB) 9,258.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	14.00	20:00	1	RIGUP & TEARDOWN	R/U PITS & ELECTRICAL - WAITING ON MUD PUMP #2 (ARRIVED ON LOCATION @ 1400 HRS - SET PUMP #2, BOILER, AND PREMIX TANK - FINISH RIGGING UP - FIRE BOILER - DRESS OUT SHAKERS - TEST MUD PUMPS
20:00	4.00	00:00	14	NIPPLE UP B.O.P	NIPPLE UP BOP - RIG ACCEPTED TO DAY WORK @ 2000 HRS 2/14/14
00:00	6.00	06:00	15	TEST B.O.P	R/U TESTER & TEST BOP

5-32-2-2 FD 2/15/2014 06:00 - 2/16/2014 06:00

API 43-047-54058	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status	Total Depth (ftKB) 9,258.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	15	TEST B.O.P	TEST BOP WITH B&C QUICK TEST (PIPE RAMS, BLIND RAMS, FOSV, INSODE BOP, CHOKE LINE & VALVES, CHOKE MANIFOLD, KILL LINE INSIDE & OUT SIDE VALVE, HCR, MANUEL VALVE ALL @ 10 MIN 5000 PSI HIGH 5MIN 250 PSI LOW, ANNULAR @ 10MIN 2500 PSI HIGH 5MIN 250 PSI LOW, CASING @ 30MIN 1500 PSI - ACCUMULATOR FUNCTION TEST - R/D TESTER
07:00	0.50	07:30	21	OPEN	SET WEAR BUSHING
07:30	1.50	09:00	20	DIRECTIONAL WORK	PICK UP MUD MOTOR, MAKE UP BIT, SCRIBE MUD MOTOR LOAD MWD TOOL & ORIENT SAME, PICK UP REST OF DIRECTIONAL TOOLS
09:00	2.00	11:00	6	TRIPS	T.I.H. FROM 98' TO 1144'
11:00	1.00	12:00	2	DRILL ACTUAL	DRILL CEMENT FLOAT & SHOE WITH 320 GPM, 25 RPM, 5-8K WT ON BIT
12:00	0.50	12:30	2	DRILL ACTUAL	DRILLING 7 7/8 PRODUCTION (15') 30 FPH GPM=320 TOPDRIVE RPM=20 MOTOR RPM=64 TOTAL RPM=84 WT ON BIT=8K
12:30	1.00	13:30	21	OPEN	SPOT 25% LCM PILL - PULL UP INTO CASING - PERFORM F.I.T. @ 1292' W/8.4 PPG MW CLOSE ANNULAR AND BRING PRESSURE UPTO 140 PSI 10.5 PPG EMW, PRESSURE BLED OFF TO 102 PSI (9.9 PPG EMW) RELEASE PRESSURE
13:30	16.50	06:00	2	DRILL ACTUAL	DRILLING 7 7/8 PRODUCTION (2004') 121.4 FPH GPM=570 TOPDRIVE RPM=40 MOTOR RPM=114 TOTAL RPM=154 WT ON BIT=16K OFF BOTTOM PRESSURE=2150 PSI DIFF PRESS=200-350 PSI TQ=5k

5-32-2-2 FD 2/16/2014 06:00 - 2/17/2014 06:00

API 43-047-54058	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status	Total Depth (ftKB) 9,258.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.00	10:00	2	DRILL ACTUAL	DRILLING 7 7/8 PRODUCTION (536') 134 FPH GPM=570 TOPDRIVE RPM=40 MOTOR RPM=114 TOTAL RPM=154 WT ON BIT=18K OFF BOTTOM PRESSURE=2250 PSI DIFF PRESS=300-450 PSI TQ=6K
10:00	1.50	11:30	5	COND MUD & CIRC	CIRC & COND MUD SHAKERS BLINDING OFF
11:30	5.50	17:00	2	DRILL ACTUAL	DRILLING 7 7/8 PRODUCTION (495') 90 FPH GPM=570 TOPDRIVE RPM=40 MOTOR RPM=114 TOTAL RPM=154 WT ON BIT=18K OFF BOTTOM PRESSURE=2250 PSI DIFF PRESS=300-450 PSI TQ=6K
17:00	0.50	17:30	7	LUBRICATE RIG	RIG SERVICE
17:30	12.50	06:00	2	DRILL ACTUAL	DRILLING 7 7/8 PRODUCTION (718') 57.4 FPH GPM=570 TOPDRIVE RPM=40 MOTOR RPM=114 TOTAL RPM=154 WT ON BIT=19K OFF BOTTOM PRESSURE=2250 PSI DIFF PRESS=200-350 PSI TQ=6K

5-32-2-2 FD 2/17/2014 06:00 - 2/18/2014 06:00

API 43-047-54058	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status	Total Depth (ftKB) 9,258.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	DRILLING 7 7/8 PRODUCTION (392') 37.3 FPH GPM=570 TOPDRIVE RPM=40 MOTOR RPM=114 TOTAL RPM=154 WT ON BIT=21K OFF BOTTOM PRESSURE=2300 PSI DIFF PRESS=200-350 PSI TQ=6K
16:30	0.50	17:00	7	LUBRICATE RIG	RIG SERVICE
17:00	1.50	18:30	2	DRILL ACTUAL	DRILLING 7 7/8 PRODUCTION (50') 33.3 FPH GPM=570 TOPDRIVE RPM=40 MOTOR RPM=114 TOTAL RPM=154 WT ON BIT=19K OFF BOTTOM PRESSURE=2250 PSI DIFF PRESS=200-350 PSI TQ=6K
18:30	1.00	19:30	5	COND MUD & CIRC	CIRCULATE - PUMP HIGH VIS SWEEP - PUMP DRY JOB - FLOW CHECK (NO FLOW)
19:30	5.00	00:30	6	TRIPS	T.O.O.H. FROM 5487' TO 0'
00:30	1.50	02:00	20	DIRECTIONAL WORK	BREAK BIT - LAY DOWN MUD MOTOR - PICK UP NEW MUD MOTOR - MAKE UP BIT - SCRIBE MUD MOTOR - ORIENT MWD TOOL
02:00	3.50	05:30	6	TRIPS	T.I.H. FROM 0' TO 4332' - TEST MWD TOOL AT CASING SHOE (TEST GOOD)
05:30	0.50	06:00	7	LUBRICATE RIG	RIG SERVICE - REPAIR HYDROMATIC COOLING LINE

5-32-2-2 FD 2/18/2014 06:00 - 2/19/2014 06:00

API 43-047-54058	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status	Total Depth (ftKB) 9,258.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	6	TRIPS	T.I.H. FROM 4332' TO 5487'
07:30	22.50	06:00	2	DRILL ACTUAL	DRILLING 7 7/8 PRODUCTION (483') 21.5 FPH GPM=550 TOPDRIVE RPM=50 MOTOR RPM=110 TOTAL RPM=160 WT ON BIT=25K OFF BOTTOM PRESSURE=2200 PSI DIFF PRESS=75-300 PSI TQ=6K

5-32-2-2 FD 2/19/2014 06:00 - 2/20/2014 06:00

API 43-047-54058	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status	Total Depth (ftKB) 9,258.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.50	09:30	2	DRILL ACTUAL	DRILLING 7 7/8 PRODUCTION (149') 42.6 FPH GPM=560 TOPDRIVE RPM=50 MOTOR RPM=112 TOTAL RPM=162 WT ON BIT=26K OFF BOTTOM PRESSURE=2200 PSI DIFF PRESS=125-275 PSI TQ=6K
09:30	1.00	10:30	20	DIRECTIONAL WORK	ATTEMPT DOWN LINK ON MWD TOOL - UNABLE TO GET SURVEY
10:30	0.50	11:00	2	DRILL ACTUAL	DRILLING 7 7/8 PRODUCTION (43') 86 FPH GPM=560 TOPDRIVE RPM=50 MOTOR RPM=112 TOTAL RPM=162 WT ON BIT=26K OFF BOTTOM PRESSURE=2200 PSI DIFF PRESS=125-275 PSI TQ=6K
11:00	0.50	11:30	20	DIRECTIONAL WORK	ATTEMPT DOWN LINK ON MWD TOOL - UNABLE TO GET SURVEY
11:30	1.00	12:30	2	DRILL ACTUAL	DRILLING 7 7/8 PRODUCTION (43') 43 FPH GPM=560 TOPDRIVE RPM=50 MOTOR RPM=112 TOTAL RPM=162 WT ON BIT=26K OFF BOTTOM PRESSURE=2200 PSI DIFF PRESS=125-275 PSI TQ=6K
12:30	1.00	13:30	20	DIRECTIONAL WORK	DOWN LINK MWD TOOL - SURVEY SUCCESSFUL
13:30	4.00	17:30	2	DRILL ACTUAL	DRILLING 7 7/8 PRODUCTION (170') 42.5 FPH GPM=560 TOPDRIVE RPM=50 MOTOR RPM=112 TOTAL RPM=162 WT ON BIT=26K OFF BOTTOM PRESSURE=2200 PSI DIFF PRESS=125-275 PSI TQ=6K
17:30	0.50	18:00	20	DIRECTIONAL WORK	ATTEMPT SURVEY (UNABLE TO GET SURVEY)

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
18:00	2.00	20:00	2	DRILL ACTUAL	DRILLING 7 7/8 PRODUCTION (85') 42.5 FPH GPM=560 TOPDRIVE RPM=50 MOTOR RPM=112 TOTAL RPM=162 WT ON BIT=27K OFF BOTTOM PRESSURE=2200 PSI DIFF PRESS=125-275 PSI TQ=6K
20:00	0.50	20:30	20	DIRECTIONAL WORK	DOWN LINK MWD TOOL - SURVEY SUCCESSFUL
20:30	3.00	23:30	2	DRILL ACTUAL	DRILLING 7 7/8 PRODUCTION (128') 42.7 FPH GPM=560 TOPDRIVE RPM=50 MOTOR RPM=112 TOTAL RPM=162 WT ON BIT=27K OFF BOTTOM PRESSURE=2200 PSI DIFF PRESS=125-275 PSI TQ=6K
23:30	0.50	00:00	20	DIRECTIONAL WORK	ATTEMPT SURVEY (UNABLE TO GET SURVEY
00:00	0.50	00:30	2	DRILL ACTUAL	DRILLING 7 7/8 PRODUCTION (43') 86 FPH GPM=560 TOPDRIVE RPM=50 MOTOR RPM=112 TOTAL RPM=162 WT ON BIT=27K OFF BOTTOM PRESSURE=2400 PSI DIFF PRESS=125-275 PSI TQ=6K
00:30	0.50	01:00	20	DIRECTIONAL WORK	DOWN LINK MWD TOOL - SURVEY SUCCESSFUL
01:00	5.00	06:00	2	DRILL ACTUAL	DRILLING 7 7/8 PRODUCTION (139') 27.8 FPH GPM=560 TOPDRIVE RPM=50 MOTOR RPM=112 TOTAL RPM=162 WT ON BIT=27K OFF BOTTOM PRESSURE=2400 PSI DIFF PRESS=125-275 PSI TQ=6K

5-32-2-2 FD 2/20/2014 06:00 - 2/21/2014 06:00

API 43-047-54058	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status	Total Depth (ftKB) 9,258.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	5	COND MUD & CIRC	CIRC PUMP HIGH VIS SWEEP - PUMP DRY JOB - FLOW CHECK
08:00	5.00	13:00	6	TRIPS	T.O.O.H. F/6770' T/789'
13:00	0.50	13:30	7	LUBRICATE RIG	RIG SERVICE
13:30	1.00	14:30	8	REPAIR RIG	REPAIR GRABBER DIES ON PIPE HANDLER
14:30	1.00	15:30	6	TRIPS	T.O.O.H. F/789' T/0'
15:30	2.50	18:00	20	DIRECTIONAL WORK	LAY DOWN MONELS - PULL MWD TOOL - BREAK BIT - LAY DOWN MUD MOTOR - PICK UP NEW MUD MOTOR - MAKE UP NEW BIT - SCRIBE MOTOR - P/U MONELS - LOAD MWD TOOL & ORIENT SAME
18:00	2.00	20:00	6	TRIPS	T.I.H. FROM 94' TO 1240'
20:00	6.50	02:30	8	REPAIR RIG	REBUILD SWIVEL - CHANGE HYDRAULIC OIL IN SWIVEL
02:30	0.50	03:00	7	LUBRICATE RIG	RIG SERVICE
03:00	1.50	04:30	6	TRIPS	T.I.H. FROM 1240' TO 2401'
04:30	0.50	05:00	3	REAMING	WASH AND REAM THRU BRIDGE @ 2401'
05:00	1.00	06:00	6	TRIPS	T.I.H. FROM 2410' T/3385'

5-32-2-2 FD 2/21/2014 06:00 - 2/22/2014 06:00

API 43-047-54058	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status	Total Depth (ftKB) 9,258.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	6	TRIPS	T.I.H. FROM 3385' TO 6770'
09:00	0.50	09:30	5	COND MUD & CIRC	FAN BIT ON BOTTOM
09:30	0.50	10:00	2	DRILL ACTUAL	DRILLING 7 7/8 PRODUCTION (13') 26 FPH GPM=570 TOPDRIVE RPM=50 MOTOR RPM=91 TOTAL RPM=141 WT ON BIT=20K OFF BOTTOM PRESSURE=2580 PSI DIFF PRESS=125-275 PSI TQ=6K
10:00	0.50	10:30	7	LUBRICATE RIG	RIG SERVICE
10:30	19.50	06:00	2	DRILL ACTUAL	DRILLING 7 7/8 PRODUCTION (664') 34 FPH GPM=570 TOPDRIVE RPM=50 MOTOR RPM=91 TOTAL RPM=141 WT ON BIT=20K OFF BOTTOM PRESSURE=2610 PSI DIFF PRESS=125-225 PSI TQ=6K

5-32-2-2 FD 2/22/2014 06:00 - 2/23/2014 06:00

API 43-047-54058	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status	Total Depth (ftKB) 9,258.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	2	DRILL ACTUAL	DRILLING 7 7/8 PRODUCTION (46') 30.6 FPH GPM=570 TOPDRIVE RPM=50 MOTOR RPM=91 TOTAL RPM=141 WT ON BIT=20K OFF BOTTOM PRESSURE=2610 PSI DIFF PRESS=125-225 PSI TQ=6K
07:30	0.50	08:00	20	DIRECTIONAL WORK	WAITING ON TOOL FACES
08:00	5.50	13:30	2	DRILL ACTUAL	DRILLING 7 7/8 PRODUCTION (174') 31.6 FPH GPM=570 TOPDRIVE RPM=50 MOTOR RPM=91 TOTAL RPM=141 WT ON BIT=22K OFF BOTTOM PRESSURE=2610 PSI DIFF PRESS=125-225 PSI TQ=6K

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
13:30	0.50	14:00	7	LUBRICATE RIG	RIG SERVICE
14:00	6.00	20:00	2	DRILL ACTUAL	DRILLING 7 7/8 PRODUCTION (122') 20.33 FPH GPM=570 TOPDRIVE RPM=50 MOTOR RPM=91 TOTAL RPM=141 WT ON BIT=28K OFF BOTTOM PRESSURE=2610 PSI DIFF PRESS=125-225 PSI TQ=6K
20:00	0.50	20:30	5	COND MUD & CIRC	CIRC - PUMP HIGH VIS SWEEP - PUMP DRY JOB
20:30	2.00	22:30	6	TRIPS	T.O.O.H. F/7789' T/6287'
22:30	4.00	02:30	8	REPAIR RIG	REPLACE DRIVE LINE ON DRAWWORKS
02:30	3.50	06:00	6	TRIPS	T.O.O.H. F/6287' T/1800'

5-32-2-2 FD 2/23/2014 06:00 - 2/24/2014 06:00

API 43-047-54058	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status	Total Depth (ftKB) 9,258.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	6	TRIPS	T.O.O.H. FROM 1800' TO 0'
08:00	1.50	09:30	20	DIRECTIONAL WORK	PULL MWD TOOL - BREAK BIT - MAKE UP NEW BIT - SCRIBE MUD MOTOR - LOAD MWD TOOL AND ORIENT SAME
09:30	1.50	11:00	6	TRIPS	T.I.H. FROM 0' T/1200'
11:00	0.50	11:30	7	LUBRICATE RIG	RIG SERVICE
11:30	4.50	16:00	6	TRIPS	T.I.H. FROM 1200' TO 6920'
16:00	1.50	17:30	8	REPAIR RIG	REPLACE DRIVE CHAIN ON DRAWWORKS
17:30	1.00	18:30	6	TRIPS	T.I.H. FROM 6920' TO 7667'
18:30	0.50	19:00	3	REAMING	WASH AND REAM FROM 7667' TO 7789'
19:00	0.50	19:30	5	COND MUD & CIRC	FAN BIT ON BOTTOM
19:30	0.50	20:00	2	DRILL ACTUAL	DRILLING 7 7/8 PRODUCTION (9') 18 FPH GPM=570 TOPDRIVE RPM=50 MOTOR RPM=91 TOTAL RPM=141 WT ON BIT=14K OFF BOTTOM PRESSURE=2710 PSI DIFF PRESS=125-225 PSI TQ=6K
20:00	0.50	20:30	20	DIRECTIONAL WORK	DOWN LINK MWD TOOL
20:30	5.00	01:30	2	DRILL ACTUAL	DRILLING 7 7/8 PRODUCTION (301') 60.2 FPH GPM=570 TOPDRIVE RPM=50 MOTOR RPM=91 TOTAL RPM=141 WT ON BIT=18K OFF BOTTOM PRESSURE=2750 PSI DIFF PRESS=125-225 PSI TQ=7K
01:30	0.50	02:00	20	DIRECTIONAL WORK	DOWN LINK MWD TOOL
02:00	1.00	03:00	2	DRILL ACTUAL	DRILLING 7 7/8 PRODUCTION (86') 86 FPH GPM=570 TOPDRIVE RPM=50 MOTOR RPM=91 TOTAL RPM=141 WT ON BIT=18K OFF BOTTOM PRESSURE=2750 PSI DIFF PRESS=175-275 PSI TQ=7K
03:00	0.50	03:30	20	DIRECTIONAL WORK	DOWN LINK MWD TOOL
03:30	2.50	06:00	2	DRILL ACTUAL	DRILLING 7 7/8 PRODUCTION (171') 68.4 FPH GPM=570 TOPDRIVE RPM=50 MOTOR RPM=91 TOTAL RPM=141 WT ON BIT=18K OFF BOTTOM PRESSURE=2750 PSI DIFF PRESS=175-275 PSI TQ=7K

5-32-2-2 FD 2/24/2014 06:00 - 2/25/2014 06:00

API 43-047-54058	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status	Total Depth (ftKB) 9,258.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.50	16:30	2	DRILL ACTUAL	DRILLING 7 7/8 PRODUCTION (646') 61.5 FPH GPM=570 TOPDRIVE RPM=50 MOTOR RPM=91 TOTAL RPM=141 WT ON BIT=21K OFF BOTTOM PRESSURE=3110 PSI DIFF PRESS=175-275 PSI TQ=8K
16:30	0.50	17:00	7	LUBRICATE RIG	RIG SERVICE
17:00	8.00	01:00	2	DRILL ACTUAL	DRILLING 7 7/8 PRODUCTION (256') 32 FPH GPM=560 TOPDRIVE RPM=50 MOTOR RPM=89 TOTAL RPM=139 WT ON BIT=23K OFF BOTTOM PRESSURE=2950 PSI DIFF PRESS=175-275 PSI TQ=8K
01:00	1.00	02:00	5	COND MUD & CIRC	CIRC - PUMP HIGH VIS SWEEP
02:00	3.00	05:00	6	TRIPS	WIPER TRIP FROM 9258' TO 7705' - T.I.H.
05:00	1.00	06:00	5	COND MUD & CIRC	CIRC - RAISE VIS & YP FOR LOGS - FOUND DAMAGED DRILL LINE - CUT & SLIP 100' DRILL LINE

5-32-2-2 FD 2/25/2014 06:00 - 2/26/2014 06:00

API 43-047-54058	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status	Total Depth (ftKB) 9,258.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	5	COND MUD & CIRC	FINISH SLIP & CUT - CIRC RAISE VIS & YP FOR LOGS

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
07:30	3.50	11:00	6	TRIPS	T.O.O.H. FROM 9258' TO 6000' - HOLE SWABBING
11:00	3.00	14:00	6	TRIPS	T.I.H. F/6000' T/9258'
14:00	2.00	16:00	5	COND MUD & CIRC	CIRC RAISE MUD WEIGHT FROM 9.5 PPG TO 9.7 PPG
16:00	8.50	00:30	6	TRIPS	T.O.O.H. F/9258' T/95' - FILL HOLE USING TRIP TANKS - CALCULATED FILL=61 BBLs, ACTUAL FILL=74 BBLs
00:30	1.00	01:30	20	DIRECTIONAL WORK	LAY DOWN DIRECTIONAL TOOLS - BREAK BIT AND DRAIN MUD MOTOR
01:30	4.50	06:00	11	WIRELINE LOGS	SAFETY MEETING WITH RIG CREW AND LOGGERS - RIG UP LOGGERS AND LOG - LOGS BRIDGED OUT @ 6579' - LOG OUT

5-32-2-2 FD 2/26/2014 06:00 - 2/27/2014 06:00

API 43-047-54058	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status	Total Depth (ftKB) 9,258.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	11	WIRELINE LOGS	Finish logging, R/D loggers.
07:30	0.50	08:00	21	OPEN	Pulll wear bushing.
08:00	17.00	01:00	12	RUN CASING & CEMENT	HSM. R/U casers, run 5 1/2", 217#, N-80 LT&C casing as follows: FS, 2 jts csg, FC, 15 jts csg, MJ @ 8411', 14 jts csg, MJ @ 7724', 159 jts csg(194 total). P/U jt # 195, install rot rubber, tag bottom @ 9258'.
01:00	2.50	03:30	5	COND MUD & CIRC	C&C mud, reciprocate pipe, cut mw back to 9.7 ppg, 38 vis, 10 yp.
03:30	1.00	04:30	12	RUN CASING & CEMENT	L/D tag jt, remove rot rubber, P/U LJ, land in wellhead.
04:30	1.50	06:00	12	RUN CASING & CEMENT	HSM. R/U HES, cement prod csg. Details on next report.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FD 5-32-2-2	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047540580000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1865 FNL 1240 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 32 Township: 02.0S Range: 02.0E Meridian: U	COUNTY: UINTAH	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	OTHER: <input style="width: 100px;" type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/14/2014				
<input type="checkbox"/> SPUD REPORT Date of Spud:				
<input type="checkbox"/> DRILLING REPORT Report Date:				

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This well had first production on 3/14/2014 and first gas sales on 3/15/2014.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 March 17, 2014**

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 3/17/2014

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corp Rig Name/# Pro Petro #5 Submitted
By Jack Warr Phone Number 970-261-4665
Well Name/Number FD 5-32-2-2
Qtr/Qtr SW/NW Section 32 Township 2S Range 2E
Lease Serial Number _____
API Number 43-047-540580000

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 2-8-14 08:00 AM ☐ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks Run & Cement @ 1200' Of 8-5/8", 24#, J-55, Stc
Surface Csg Using Pro Petro Rig #5.

RECEIVED

FEB 17 2014

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FD 5-32-2-2	
2. NAME OF OPERATOR: BILL BARRETT CORP	9. API NUMBER: 43047540580000	
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8134 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1865 FNL 1240 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 32 Township: 02.0S Range: 02.0E Meridian: U	COUNTY: UINTAH	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 3/31/2014	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached is the March 2014 Drilling Activity for this well.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 April 02, 2014

NAME (PLEASE PRINT) Christina Hirtler	PHONE NUMBER 303 312-8597	TITLE Administrative Assistant
SIGNATURE N/A		DATE 4/2/2014

**FD 05-32-2-2 3/4/2014 06:00 - 3/5/2014 06:00**

API 43-047-54058	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,258.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00			MIRU HES. ND NIGHT CAP. RIH W/ GR/JB AND TAG AT 9126'. DRLG SHOW FC AT 9150' (24' FILL). RUN RMT/RBL WITH 1000 PSI AND LOG SHOWED TD-4900' GOOD CMT, 4900'-4200' RATTY CMT, 4200'-4100' GOOD CMT, 4100'-3440' RATTY CMT. TOC 1200'. SJ AT 7720'-7744' AND 8407'-8431'. RDMO HES. NU NIGHT CAP.

FD 05-32-2-2 3/8/2014 06:00 - 3/9/2014 06:00

API 43-047-54058	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,258.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	BATTERY UNDER CONSTRUCTION. FRAC LINE SET AND FULL. ND NIGHT CAP. NU 5" 10K FRAC MANDREL, FRAC VALVES, FRAC HEAD. HOOK UP FB EQUIP. PRES TEST CSG AND VALVES TO 6200 PSI. PRES TEST FB EQUIP TO 4000 PSI. GOOD. WELL SHUT IN AND SECURE.

FD 05-32-2-2 3/10/2014 06:00 - 3/11/2014 06:00

API 43-047-54058	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,258.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	HEAT FRAC LINE

FD 05-32-2-2 3/11/2014 06:00 - 3/12/2014 06:00

API 43-047-54058	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,258.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM.
07:00	1.00	08:00	SRIG	Rig Up/Down	SPOT AND RU CASED HOLE EQUIP.
08:00	1.00	09:00	PFRT	Perforating	PU PERF GUNS FOR STG 1. OPEN WITH 0 PSI. RIH AND CORRELATE TO SJ AT 8407'-8431'. RUN DOWN AND PERF UTELAND BUTTE AND CASTLE PEAK FORM 8722'-9042' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN AND SECURE WELL.
09:00	5.00	14:00	SRIG	Rig Up/Down	MIRU HES FRAC FLEET.
14:00	16.00	06:00	LOCL	Lock Wellhead & Secure	WELL SHUT IN AND SECURE

FD 05-32-2-2 3/12/2014 06:00 - 3/13/2014 06:00

API 43-047-54058	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,258.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.75	06:45	SMTG	Safety Meeting	AOL 05:00. PRIME UP CHEMS AND PUMPS. QC FLUIDS. PRESSURE TEST. HSM-SMOKING, RED ZONE, PPE, PERF GUNS, MUSTER AREA.
06:45	1.17	07:55	FRAC	Frac. Job	FRAC STG 1 PRESSURE TEST LINES TO 7300 PSI. OPEN WELL W/ 112 PSI AT 06:42 BREAK DOWN 3607 PSI AT 9.8 BPM. PMP 3900 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.9 BPM AT 2322 PSI. FLUSH W/ 8516 GAL. 29.7 BPM AT 3006 PSI. BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 68.5 BPM AT 5060 PSI. ISDP 2291. FG .70. PERFS OPEN 20/45 ISIP 2644, FG .74, MR 70.5 BPM, AR 69.8 BPM, MP 4390 PSI, AP 3731 PSI 100 MESH 8166 lbs. .75 ppg 20/40 WHITE 150,734 lbs 2.0, 2.0-5.0 RAMP, 5.0 ppg SLK WTR 1037 BBL, 20# HYBOR G (16) 1645 BBL, BTR 2787 BBLs SHUT IN AND TURN OVER TO CASED HOLE.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
07:55	1.17	09:05	PFRT	Perforating	PERF STG #2- PU EXELIS 5-1/2" 10K CBP AND GUNS FOR STAGE 2 INTO LUBE AND EQUALIZE 2300 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 8407'-8431'. RUN DOWN AND SET 5-1/2" CBP AT 8718' WITH 2200 PSI. PULL UP AND PERF BLACK SHALE AND CASTLE PEAK 8444'-8697' WITH 42 HOLES IN 14' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN WITH 2150 PSI. TURN WELL OVER TO HES.
09:05	1.33	10:25	FRAC	Frac. Job	FRAC STG 2 PRESSURE TEST LINES TO 7300 PSI. OPEN WELL W/ 2140 PSI AT 09:14 BREAK DOWN 3910 PSI AT 9.9 BPM. PMP 3400 GAL 15% HCL ACID W/ 84 BIO BALLS FOR DIVERSION. 10.1 BPM AT 2570 PSI. FLUSH W/ 8444 GAL. 30.0 BPM AT 3068 PSI. BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.6 BPM AT 4130 PSI. ISDP 2766. FG .77. PERFS OPEN 36/42 ISIP 3140, FG .81, MR 70.4 BPM, AR 70.1 BPM, MP 4490 PSI, AP 3990 PSI 100 MESH 8121 lbs. .75 ppg 20/40 WHITE 150,479 lbs 2.0, 2.0-5.0 RAMP, 5.0 ppg SLK WTR 1027 BBL, 20# HYBOR G (16) 1506 BBL, BTR 2626 BBLS SHUT IN AND TURN OVER TO CASED HOLE.
10:25	1.17	11:35	PFRT	Perforating	PERF STG #3- PU EXELIS 5-1/2" 10K CBP AND GUNS FOR STAGE 3 INTO LUBE AND EQUALIZE 2500 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 7720'-7744'. RUN DOWN AND SET 5-1/2" CBP AT 8718' WITH 2400 PSI. PULL UP AND PERF DOUGLAS CREEK FORM 8091'-8389' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN WITH 2200 PSI. TURN WELL OVER TO HES.
11:35	1.16	12:45	FRAC	Frac. Job	FRAC STG 3 PRESSURE TEST LINES TO 7200 PSI. OPEN WELL W/ 2247 PSI AT 11:36 BREAK DOWN 2693 PSI AT 9.9 BPM. PMP 3400 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 9.4 BPM AT 2488 PSI. FLUSH W/ 7900 GAL. 30.2 BPM AT 2987 PSI. BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 70.8 BPM AT 3840 PSI. ISDP 2597. FG .76. PERFS OPEN 39/45 ISIP 2597, FG .76, MR 70.8 BPM, AR 70.1 BPM, MP 4090 PSI, AP 3733 PSI 100 MESH 8246 lbs. .75 ppg 20/40 WHITE 154,154 lbs 2.0, 2.0-5.0 RAMP, 5.0 ppg SLK WTR 1005 BBL, 20# HYBOR G (16) 1525 BBL, BTR 2624 BBLS SHUT IN AND TURN OVER TO CASED HOLE.
12:45	1.09	13:50	PFRT	Perforating	PERF STG #4- PU EXELIS 5-1/2" 10K CBP AND GUNS FOR STAGE 4 INTO LUBE AND EQUALIZE 2600 PSI. OPEN WELL AND RIH. CORRELATE TO SJ AT 7720'-7744'. RUN DOWN AND SET 5-1/2" CBP AT 8062' WITH 2500 PSI. PULL UP AND PERF TGR3 AND DOUGLAS CREEK FORM 7744'-8042' WITH 45 HOLES IN 15' NET. POOH AND VERIFY ALL GUNS SHOT. SHUT IN WITH 1250 PSI. TURN WELL OVER TO HES.
13:50	1.25	15:05	FRAC	Frac. Job	FRAC STG 4 PRESSURE TEST LINES TO 7200 PSI. OPEN WELL W/ 567 PSI AT 13:55 BREAK DOWN 2571 PSI AT 10.0 BPM. PMP 3400 GAL 15% HCL ACID W/ 90 BIO BALLS FOR DIVERSION. 10.1 BPM AT 1466 PSI. FLUSH W/ 7561 GAL. 29.8 BPM AT 2531 PSI. BALL OUT. SHUT DOWN PMP. SURGE 3X. WAIT 5 MIN FOR BALLS TO FALL. STAGE FR PAD. STABLE RATE OF 25.1 BPM AT 4084 PSI. ISDP 1875. FG .68. PERFS OPEN 14/45 ISIP 1862, FG .68, MR 70.8 BPM, AR 68.5 BPM, MP 5663 PSI, AP 3656 PSI 100 MESH 8607 lbs. .75 ppg 20/40 WHITE 146,373 lbs 2.0, 2.0-5.0 RAMP, 5.0 ppg SLK WTR 1023 BBL, 20# HYBOR G (16) 1448 BBL, BTR 2552 BBLS SHUT IN AND TURN OVER TO CASED HOLE.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
15:05	1.17	16:15	WLWK	Wireline	KILL PLUG- PU 5-1/2" EXELIS PLUG AND SETTING TOOLS INTO LUBE. EQUALIZE 1500 PSI. RIH AND CORRELATE TO CSG JTS (NO SHORT JT NOW). SET KILL PLUG AT 7644' WITH 1500 PSI. BLEED OFF AS POOH.
16:15	2.00	18:15	SRIG	Rig Up/Down	RDMO HES AND CASEDHOLE. WELL SECURE.
18:15	11.74	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. STACK WTR IN FRAC TANKS. DRAIN FLOW BACK TANK. FUEL REPORT HES DIESEL 2150 GAL CASEDHOLE DIESEL 55 GAL CF WINN DIESEL 10 GAL DELSKO DIESEL 25 GAL

FD 05-32-2-2 3/13/2014 06:00 - 3/14/2014 06:00

API 43-047-54058	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,258.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	SRIG	Rig Up/Down	MIRU RIG & EQUIPMENT.
07:30	3.00	10:30	BOPI	Install BOP's	N/D FRAC TREE. N/U BOPE. R/U FLOOR & EQUIPMENT. SPOT IN CATWALK & PIPE RACKS. LOAD 291 JTS ON RACKS & TALLY.
10:30	4.00	14:30	RUTB	Run Tubing	P/U 4-3/4 BIT & POBS. RIH TO KILL PLUG @ 7644' P/U NEW 2-7/8 L-80 TBG.
14:30	1.50	16:00	GOP	General Operations	R/U POWER SWIVEL. FILL HOLE & TEST BOPE TO 2500 PSI, HELD. SDFN.
16:00	14.00	06:00	LOCL	Lock Wellhead & Secure	WELL SECURE. CREW TRAVEL. FUEL REPORT STONE DIESEL 100 GAL DELSKO DIESEL 20 GAL BUNNING TRUCKING DIESEL 200 GAL

FD 05-32-2-2 3/14/2014 06:00 - 3/15/2014 06:00

API 43-047-54058	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,258.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HOLD SAFETY MEETING.
07:00	5.00	12:00	DOPG	Drill Out Plugs	R/U POWER SWIVEL. BREAK CIRC. D/O KILL PLUG @ 7644'. FCP- 800 ON 24/64 CHOKE. SWIVEL IN HOLE. TAG SAND @ 8039'. C/O SAND & D/O CBP @ 8062'. FCP- 1300 ON 26/64 CHOKE. SWIVEL IN HOLE. TAG SAND @ 8382'. C/O SAND & D/O CBP @ 8412'. FCP- 1500 ON 26/64 CHOKE. SWIVEL IN HOLE. TAG SAND @ 8700'. C/O SAND & D/O CBP @ 8718'. FCP- 1400 ON 26/64 CHOKE. SWIVEL IN HOLE. TAG SAND @ 9074'. C/O SAND TO F/C @ 9150. D/O F/C. C/O CMT TO 9188' PBTD. CIRC WELL CLEAN. R/D SWIVEL.
12:00	1.50	13:30	PULT	Pull Tubing	PULL ABOVE PERFS L/D 2-7/8 TBG TO 7612' & LAND TBG. 238 JTS TOTAL IN HOLE.
13:30	2.00	15:30	BOPI	Install BOP's	R/D FLOOR. N/D BOPE. N/U WELLHEAD. DROP BALL DOWN TBG & PUMPED BIT OFF @ 3300 PSI. R/U TBG TO SALES LINE. TURN OVER TO FLOWBACK. SICP- 1100, FTP -1100 ON 16/64 CHOKE. SDFN.
15:30	2.50	18:00	SRIG	Rig Up/Down	R/D RIG & EQUIPMENT. ROAD RIG TO STONE YARD. SDFN.
18:00	9.50	03:30	LOCL	Lock Wellhead & Secure	CREW TRAVEL. WELL SECURE. FUEL REPORT STONE DIESEL 90 GAL. STONE GAS 5 GAL RC CONSULTING- DIESEL 15 GAL. DELSKO DIESEL 20 GAL A&J DIESEL 20 GAL MBT- 200 GAL DIESEL.

**FD 05-32-2-2 3/27/2014 06:00 - 3/28/2014 06:00**

API 43-047-54058	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,258.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM. FLUSH TBG W/ 200 BBLs HOT WTR.
07:00	1.50	08:30	BOPI	Install BOP's	ND WH. NU BOP. RU FLOOR. PULL TBG HANGER
08:30	0.50	09:00	RUTB	Run Tubing	PU TBG AND RIH TO TAG PBTD AT 9188' W/ 287-JTS IN, NO FILL.
09:00	3.50	12:30	PULT	Pull Tubing	POOH AS LD 38-JTS AND SB 249-JTS. LD POBS.
12:30	2.00	14:30	RUTB	Run Tubing	PU PROD BHA AND RIH W/ TBG.
14:30	1.00	15:30	BOPR	Remove BOP's	SET 8RD TAC. RD FLOOR. ND BOP. REMOVE SUB FROM UNDER HANGER. LAND HANGER IN 20K TEN. TBG DETAIL KB 13.00 HANGER .80 STRETCH 2.75 241-JTS 2-7/8" L-80 7692.72 5-1/2" 8RD TAC 2.75 3-JTS 2-7/8" L-80 95.76 PSN 1.10 4' TBG SUB 3.85 3-1/2" DESANDER 17.10 5-JTS 2-7/8" L-80 159.60 BULL PLUG .75 TAC AT 7709.27', PSN AT 7807.78', EOT AT 7990.18'.
15:30	1.00	16:30	GOP	General Operations	X-O FOR RODS. PREP AND SPOT RODS IN. SDFN.
16:30	13.50	06:00	LOCL	Lock Wellhead & Secure	CREW TRAVEL. WELL SECURE. FUEL REPORT STONE DIESEL 70 GAL D&M DIESEL 75 GAL D&M PROPANE 175 GAL CF WINN DIESEL 10 GAL

FD 05-32-2-2 3/28/2014 06:00 - 3/29/2014 06:00

API 43-047-54058	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status PRODUCING	Total Depth (ftKB) 9,258.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	CTRL	Crew Travel	CREW TRAVEL. HSM. FLUSH TBG W/ 70 BBLs HOT WTR.
07:00	4.50	11:30	RURP	Run Rods & Pump	PU AND PRIME PUMP. RIH W/ PMP AS PU RODS. SPACE OUT AND SEAT PUMP. ROD DETAIL 1-1/2" X 30' POLISH ROD 2', 6' X 1" D PONY RODS 101) 1" D 4 PER 94) 7/8" D 4 PER 79) 3/4" D 4 PER 36) 1" D 4 PER SHEAR CPLG 25-175-RHBC-20-4-21-24' PUMP
11:30	0.50	12:00	PTST	Pressure Test	FILL TBG W/ 5 BBLs. STROKE TEST PUMP TO 800 PSI. GOOD. CLAMP OFF POLISH ROD.
12:00	1.00	13:00	SRIG	Rig Up/Down	RDSU
13:00	0.50	13:30	RMOV	Rig Move	ROAD RIG TO 1-31-2-2
13:30	1.00	14:30	SRIG	Rig Up/Down	RUSU. SDFN
14:30	15.50	06:00	GOP	General Operations	CREW TRAVEL. WELL TURNED OVER TO PRODUCTION. FUEL REPORT STONE DIESEL 70 GAL D&M DIESEL 45 GAL D&M PROPANE 75 GAL CF WINN DIESEL 12 GAL

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MININGAMENDED REPORT ☐ FORM 8
(highlight changes)5. LEASE DESIGNATION AND SERIAL NUMBER:
Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:
FD 5-32-2-29. API NUMBER:
430475405810 FIELD AND POOL, OR WILDCAT
Wildcat11. QTR/QTR, SECTION, TOWNSHIP, RANGE,
MERIDIAN:
SWNW 32 2S 2E U12. COUNTY
Utah13. STATE
UTAH1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHERb. TYPE OF WORK: NEW WELL ☒ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER2. NAME OF OPERATOR:
Bill Barrett Corporation3. ADDRESS OF OPERATOR:
1099 18th St Ste 2300 CITY Denver STATE CO ZIP 80202PHONE NUMBER:
(303) 293-9100

4. LOCATION OF WELL (FOOTAGES)

AT SURFACE: 1865 FNL 1240 FWL

AT TOP PRODUCING INTERVAL REPORTED BELOW: 1887 FNL 1235 FWL

AT TOTAL DEPTH: 1919 FNL 1254 FWL

14. DATE SPUDDED:
2/3/201415. DATE T.D. REACHED:
2/25/201416. DATE COMPLETED:
3/14/2014ABANDONED ☐ READY TO PRODUCE ☒17. ELEVATIONS (DF, RKB, RT, GL):
5088 GL18. TOTAL DEPTH: MD 9,258
TVD 9,25719. PLUG BACK T.D.: MD 9,151
TVD 9,150

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE MD
PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

TRIPLE COMBO/MUD

23.

WAS WELL CORED? NO ☒ YES ☐ (Submit analysis)WAS DST RUN? NO ☒ YES ☐ (Submit report)DIRECTIONAL SURVEY? NO ☐ YES ☒ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
26	16 Con	65#	0	80	80			0	
12 1/4	8 5/8 J-55	24#	0	1,277	1,244	Lead 150	102	0	
						Tail 510	105		
7 7/8	5 1/2 N-80	17#	0	9,258	9,247	Lead 790	329	4906	
						Tail 685	177		

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8	7,990							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Green River	7,561	9,042		
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
7,561 9,042 .38 177			Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
7561-9042	Green River: See attached Stage 1-4

29. ENCLOSED ATTACHMENTS:

☒ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☒ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS:

POW

31. INITIAL PRODUCTION**INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED: 3/14/2014		TEST DATE: 3/16/2014		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 298	GAS – MCF: 62	WATER – BBL: 196	PROD. METHOD: Flowing
CHOKE SIZE: 22/64	TBG. PRESS. 300	CSG. PRESS. 500	API GRAVITY 52.00	BTU – GAS 1	GAS/OIL RATIO 208	24 HR PRODUCTION RATES: →	OIL – BBL: 298	GAS – MCF: 62	WATER – BBL: 196	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)**Sold****33. SUMMARY OF POROUS ZONES (Include Aquifers):**

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Green River	5,492
				Mahogany	6,632
				TGR3	7,741
				Douglas Creek	7,920
				Black Shale Facies	8,441
				Castle Peak	8,552
				Uteland Butte	8,732
				Wasatch	9,216
				TD	9,258

35. ADDITIONAL REMARKS (Include plugging procedure)

TOC calculated by CBL. Conductor cemented with grout. First gas sales 3/15/2014; first oil sales 3/20/2014.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Christina HirtlerTITLE Permit Analyst

SIGNATURE _____

DATE 4/16/2014

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

5-32-2-2 FD Report Continued*

44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)				
AMOUNT AND TYPE OF MATERIAL				
<u>Stage</u>	<u>bbls Slurry</u>	<u>lbs Common White 100 Mesh Sand</u>	<u>lbs 20/40 Premium White</u>	<u>gal 15% HCl Acid</u>
1	2787	8166	150734	4400
2	2626	8121	150479	3900
3	2623	8246	154154	3900
4	2552	8607	146373	3400

*Depth intervals for frac information same as perforation record intervals.



Payzone Directional

End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well FD 5-32-2-2
Project:	Fort Duchesne	TVD Reference:	FD 5-32-2-2 @ 5101.0usft (Capstar 330)
Site:	SECTION 32 T2S, R2E	MD Reference:	FD 5-32-2-2 @ 5101.0usft (Capstar 330)
Well:	FD 5-32-2-2	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Project		Fort Duchesne	
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Southern Zone		

Site	SECTION 32 T2S, R2E					
Site Position:		Northing:	11,159,641.42	usft	Latitude:	40° 16' 14.510 N
From:	Lat/Long	Easting:	2,116,585.06	usft	Longitude:	109° 47' 42.260 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16	"	Grid Convergence:	1.04 °

Well		FD 5-32-2-2, SHL LAT: 40.267861 LONG: -109.798347				
Well Position	+N/-S	0.0 usft	Northing:	11,158,590.75 usft	Latitude:	40° 16' 4.299 N
	+E/-W	0.0 usft	Easting:	2,115,689.37 usft	Longitude:	109° 47' 54.049 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	5,101.0 usft	Ground Level:	5,088.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2/10/2014	10.90	65.96	52,168

Design		Actual			
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)		+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0		0.0	0.0	165.28

Survey Program		Date	3/6/2014		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
400.0	9,258.0	Survey #1 (Wellbore #1)	MWD	MWD v3:standard declination	



Payzone Directional

End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well FD 5-32-2-2
Project:	Fort Duchesne	TVD Reference:	FD 5-32-2-2 @ 5101.0usft (Capstar 330)
Site:	SECTION 32 T2S, R2E	MD Reference:	FD 5-32-2-2 @ 5101.0usft (Capstar 330)
Well:	FD 5-32-2-2	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.75	180.00	400.0	2.5	-2.6	0.0	0.19	0.19	0.00
800.0	1.25	180.00	799.9	9.3	-9.6	0.0	0.12	0.12	0.00
1,200.0	1.00	180.00	1,199.8	16.9	-17.5	0.0	0.06	-0.06	0.00
1,224.0	1.00	180.00	1,223.8	17.3	-17.9	0.0	0.00	0.00	0.00
1,285.0	0.71	168.22	1,284.8	18.2	-18.8	0.1	0.55	-0.48	-19.31
1,370.0	0.62	170.60	1,369.8	19.2	-19.7	0.3	0.11	-0.11	2.80
1,455.0	0.88	173.99	1,454.8	20.3	-20.8	0.4	0.31	0.31	3.99
1,540.0	0.80	184.00	1,539.8	21.5	-22.1	0.4	0.20	-0.09	11.78
1,625.0	1.02	178.31	1,624.8	22.8	-23.4	0.4	0.28	0.26	-6.69
1,711.0	0.62	78.98	1,710.8	23.5	-24.1	0.9	1.48	-0.47	-115.50
1,796.0	1.19	29.10	1,795.8	22.9	-23.3	1.8	1.08	0.67	-58.68
1,881.0	1.19	21.78	1,880.8	21.6	-21.7	2.5	0.18	0.00	-8.61
1,967.0	0.88	7.10	1,966.8	20.3	-20.2	2.9	0.47	-0.36	-17.07
2,052.0	0.62	358.81	2,051.8	19.2	-19.1	3.0	0.33	-0.31	-9.75
2,137.0	0.62	319.81	2,136.7	18.3	-18.3	2.7	0.49	0.00	-45.88
2,222.0	0.40	295.80	2,221.7	17.7	-17.8	2.1	0.36	-0.26	-28.25
2,308.0	0.62	297.38	2,307.7	17.2	-17.4	1.5	0.26	0.26	1.84
2,393.0	0.49	264.20	2,392.7	16.9	-17.3	0.7	0.40	-0.15	-39.04
2,478.0	0.40	254.68	2,477.7	16.8	-17.4	0.0	0.14	-0.11	-11.20
2,564.0	0.40	312.01	2,563.7	16.6	-17.3	-0.5	0.45	0.00	66.66
2,649.0	0.62	296.81	2,648.7	16.0	-16.8	-1.1	0.30	0.26	-17.88
2,735.0	1.19	313.11	2,734.7	14.9	-16.0	-2.2	0.72	0.66	18.95
2,820.0	0.62	247.10	2,819.7	14.3	-15.6	-3.2	1.29	-0.67	-77.66
2,905.0	0.71	217.31	2,904.7	14.7	-16.2	-4.0	0.42	0.11	-35.05
2,991.0	0.62	308.49	2,990.7	14.6	-16.3	-4.7	1.11	-0.10	106.02
3,076.0	0.71	284.51	3,075.7	14.0	-15.9	-5.5	0.34	0.11	-28.21



Payzone Directional

End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well FD 5-32-2-2
Project:	Fort Duchesne	TVD Reference:	FD 5-32-2-2 @ 5101.0usft (Capstar 330)
Site:	SECTION 32 T2S, R2E	MD Reference:	FD 5-32-2-2 @ 5101.0usft (Capstar 330)
Well:	FD 5-32-2-2	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
3,161.0	1.19	325.72	3,160.7	12.9	-15.1	-6.5	0.95	0.56	48.48	
3,246.0	1.19	322.72	3,245.7	11.2	-13.6	-7.6	0.07	0.00	-3.53	
3,292.0	0.71	319.11	3,291.7	10.6	-13.0	-8.1	1.05	-1.04	-7.85	
3,377.0	0.88	12.40	3,376.6	9.5	-12.0	-8.3	0.86	0.20	62.69	
3,465.0	0.80	16.58	3,464.6	8.4	-10.7	-7.9	0.11	-0.09	4.75	
3,550.0	0.80	21.70	3,549.6	7.4	-9.6	-7.5	0.08	0.00	6.02	
3,636.0	0.71	3.88	3,635.6	6.4	-8.5	-7.3	0.29	-0.10	-20.72	
3,721.0	0.40	335.41	3,720.6	5.6	-7.7	-7.4	0.48	-0.36	-33.49	
3,806.0	0.22	51.40	3,805.6	5.3	-7.4	-7.4	0.48	-0.21	89.40	
3,892.0	0.49	240.89	3,891.6	5.3	-7.4	-7.6	0.82	0.31	-198.27	
3,979.0	0.80	284.91	3,978.6	5.1	-7.5	-8.5	0.65	0.36	50.60	
4,064.0	1.41	311.31	4,063.6	3.9	-6.6	-9.8	0.92	0.72	31.06	
4,150.0	1.50	301.79	4,149.6	2.2	-5.3	-11.6	0.30	0.10	-11.07	
4,235.0	0.71	339.20	4,234.6	0.9	-4.3	-12.7	1.21	-0.93	44.01	
4,320.0	0.49	358.11	4,319.6	0.0	-3.4	-12.9	0.34	-0.26	22.25	
4,404.0	1.59	58.49	4,403.5	-0.7	-2.4	-11.9	1.68	1.31	71.88	
4,490.0	1.28	73.70	4,489.5	-1.1	-1.5	-10.0	0.57	-0.36	17.69	
4,575.0	0.88	87.09	4,574.5	-0.9	-1.2	-8.4	0.55	-0.47	15.75	
4,659.0	0.88	94.01	4,658.5	-0.6	-1.2	-7.1	0.13	0.00	8.24	
4,745.0	0.62	100.49	4,744.5	-0.2	-1.4	-6.0	0.32	-0.30	7.53	
4,830.0	0.71	110.80	4,829.5	0.3	-1.7	-5.1	0.18	0.11	12.13	
4,916.0	0.49	125.52	4,915.5	0.9	-2.1	-4.3	0.31	-0.26	17.12	
4,958.0	0.40	124.20	4,957.5	1.1	-2.2	-4.0	0.22	-0.21	-3.14	
5,046.0	0.40	355.90	5,045.5	1.1	-2.1	-3.8	0.82	0.00	-145.80	
5,131.0	0.22	145.00	5,130.5	0.9	-1.9	-3.7	0.71	-0.21	175.41	
5,216.0	0.71	186.99	5,215.5	1.6	-2.6	-3.7	0.67	0.58	49.40	
5,302.0	0.88	171.08	5,301.5	2.7	-3.8	-3.7	0.32	0.20	-18.50	



Payzone Directional

End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well FD 5-32-2-2
Project:	Fort Duchesne	TVD Reference:	FD 5-32-2-2 @ 5101.0usft (Capstar 330)
Site:	SECTION 32 T2S, R2E	MD Reference:	FD 5-32-2-2 @ 5101.0usft (Capstar 330)
Well:	FD 5-32-2-2	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
5,387.0	1.19	174.48	5,386.4	4.3	-5.3	-3.5	0.37	0.36	4.00	
5,473.0	1.41	179.50	5,472.4	6.2	-7.3	-3.4	0.29	0.26	5.84	
5,558.0	0.40	250.58	5,557.4	7.2	-8.4	-3.6	1.57	-1.19	83.62	
5,686.0	0.31	206.29	5,685.4	7.5	-8.9	-4.2	0.22	-0.07	-34.60	
5,771.0	0.31	329.29	5,770.4	7.4	-8.9	-4.4	0.64	0.00	144.71	
5,856.0	0.88	325.81	5,855.4	6.6	-8.1	-4.9	0.67	0.67	-4.09	
5,941.0	0.75	336.38	5,940.4	5.4	-7.1	-5.5	0.23	-0.15	12.44	
5,984.0	1.19	332.50	5,983.4	4.7	-6.4	-5.8	1.03	1.02	-9.02	
6,069.0	0.71	289.58	6,068.4	3.6	-5.5	-6.7	0.97	-0.56	-50.49	
6,155.0	1.41	170.20	6,154.4	4.3	-6.3	-7.1	2.17	0.81	-138.81	
6,197.0	0.49	177.61	6,196.4	5.0	-7.0	-7.0	2.21	-2.19	17.64	
6,367.0	2.12	200.92	6,366.3	8.3	-10.7	-8.1	0.99	0.96	13.71	
6,453.0	1.90	192.50	6,452.3	10.8	-13.6	-8.9	0.43	-0.26	-9.79	
6,581.0	1.81	189.28	6,580.2	14.6	-17.6	-9.7	0.11	-0.07	-2.52	
6,624.0	1.68	189.90	6,623.2	15.8	-18.9	-9.9	0.31	-0.30	1.44	
6,710.0	1.10	204.00	6,709.1	17.6	-20.9	-10.5	0.78	-0.67	16.40	
6,795.0	0.62	205.50	6,794.1	18.5	-22.1	-11.0	0.57	-0.56	1.76	
6,880.0	0.49	74.49	6,879.1	18.9	-22.4	-10.9	1.19	-0.15	-154.13	
6,969.0	0.40	128.30	6,968.1	19.1	-22.5	-10.2	0.46	-0.10	60.46	
7,055.0	0.62	85.20	7,054.1	19.5	-22.6	-9.6	0.50	0.26	-50.12	
7,140.0	1.05	65.10	7,139.1	19.4	-22.3	-8.4	0.60	0.51	-23.65	
7,226.0	0.71	90.00	7,225.1	19.4	-21.9	-7.1	0.59	-0.40	28.95	
7,308.0	0.49	112.90	7,307.1	19.7	-22.1	-6.3	0.39	-0.27	27.93	
7,393.0	0.49	28.00	7,392.1	19.7	-21.9	-5.8	0.78	0.00	-99.88	
7,482.0	0.40	88.41	7,481.1	19.5	-21.5	-5.3	0.51	-0.10	67.88	
7,567.0	0.71	133.40	7,566.1	20.0	-21.9	-4.6	0.60	0.36	52.93	
7,659.0	0.88	159.72	7,658.1	21.2	-23.0	-4.0	0.43	0.18	28.61	



Payzone Directional

End of Well Report



Company:	Bill Barrett Corporation	Local Co-ordinate Reference:	Well FD 5-32-2-2
Project:	Fort Duchesne	TVD Reference:	FD 5-32-2-2 @ 5101.0usft (Capstar 330)
Site:	SECTION 32 T2S, R2E	MD Reference:	FD 5-32-2-2 @ 5101.0usft (Capstar 330)
Well:	FD 5-32-2-2	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	
7,744.0	1.02	162.89	7,743.1	22.6	-24.3	-3.5	0.18	0.16	3.73	
7,832.0	1.10	162.89	7,831.1	24.2	-25.8	-3.0	0.09	0.09	0.00	
7,917.0	1.28	172.80	7,916.0	26.0	-27.6	-2.7	0.32	0.21	11.66	
8,003.0	1.50	170.82	8,002.0	28.0	-29.6	-2.4	0.26	0.26	-2.30	
8,088.0	1.02	136.40	8,087.0	29.8	-31.3	-1.7	1.03	-0.56	-40.49	
8,174.0	1.28	142.49	8,173.0	31.4	-32.6	-0.6	0.33	0.30	7.08	
8,259.0	1.41	142.00	8,258.0	33.2	-34.2	0.6	0.15	0.15	-0.58	
8,345.0	1.28	134.99	8,343.9	35.0	-35.7	2.0	0.24	-0.15	-8.15	
8,433.0	1.59	139.09	8,431.9	37.0	-37.3	3.5	0.37	0.35	4.66	
8,519.0	1.59	139.09	8,517.9	39.1	-39.1	5.0	0.00	0.00	0.00	
8,604.0	1.81	144.38	8,602.8	41.4	-41.1	6.6	0.32	0.26	6.22	
8,690.0	1.41	145.31	8,688.8	43.7	-43.1	8.0	0.47	-0.47	1.08	
8,775.0	1.41	153.90	8,773.8	45.7	-44.9	9.0	0.25	0.00	10.11	
8,862.0	1.50	152.09	8,860.7	47.8	-46.8	10.0	0.12	0.10	-2.08	
8,948.0	1.19	153.81	8,946.7	49.8	-48.6	11.0	0.36	-0.36	2.00	
9,036.0	1.28	149.79	9,034.7	51.7	-50.3	11.9	0.14	0.10	-4.57	
9,123.0	1.28	148.79	9,121.7	53.5	-52.0	12.9	0.03	0.00	-1.15	
9,204.0	1.10	148.70	9,202.7	55.1	-53.4	13.7	0.22	-0.22	-0.11	
9,258.0	1.10	148.70	9,256.7	56.1	-54.3	14.3	0.00	0.00	0.00	

Checked By: _____ Approved By: _____ Date: _____

Sundry Number: 50200 API Well Number: 43047540580000

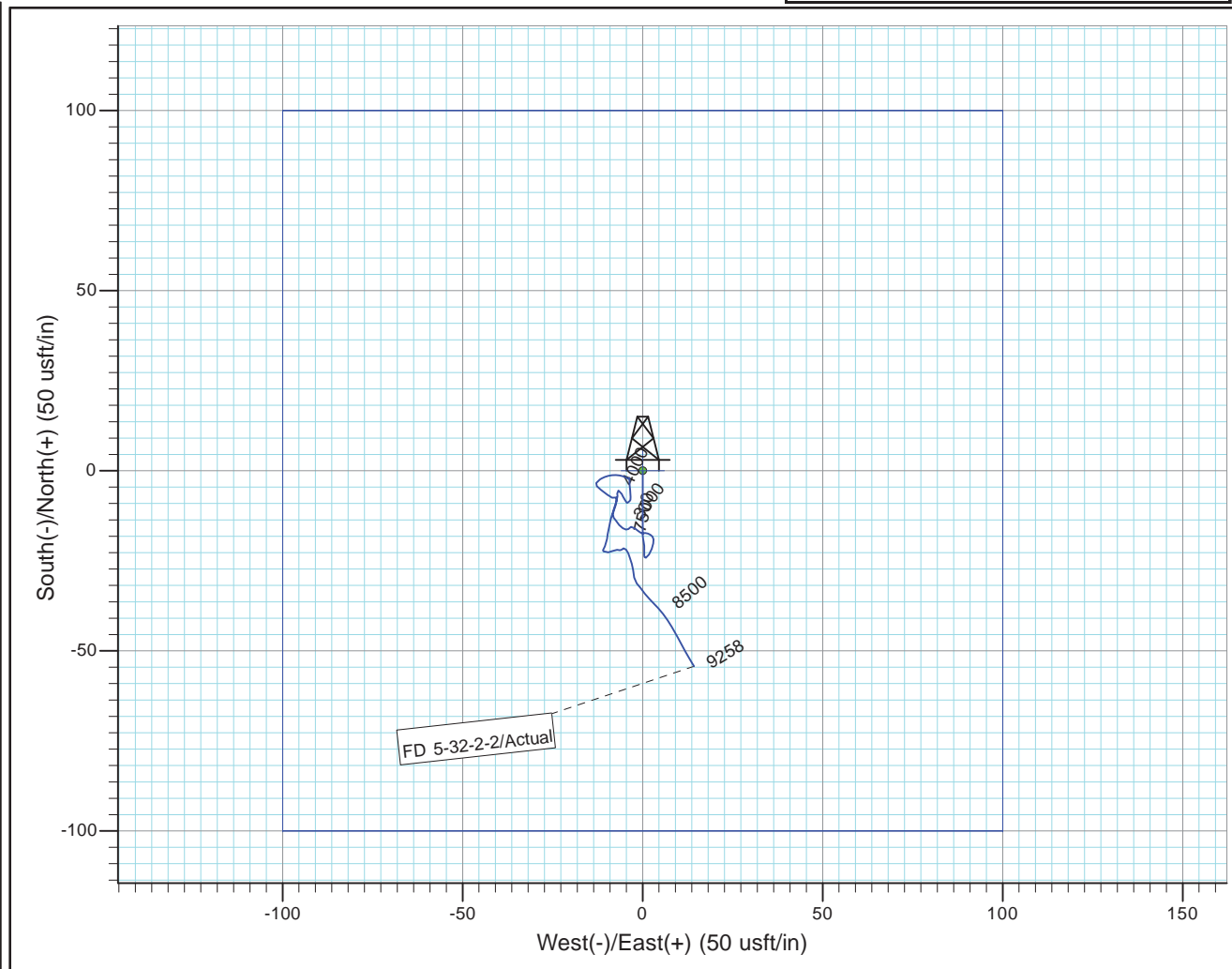
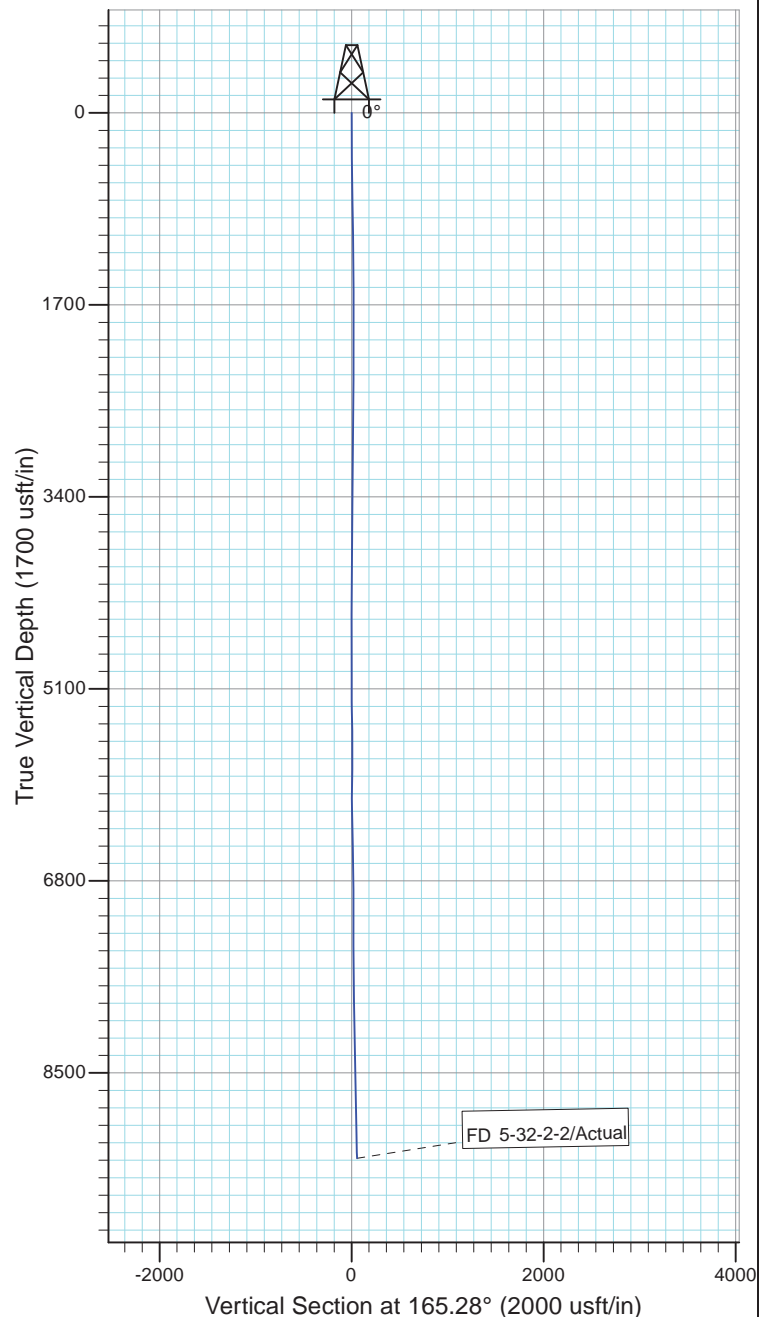


Project: Fort Duchesne
Site: SECTION 32 T2S, R2E
Well: FD 5-32-2-2
Wellbore: Wellbore #1
Design: Actual



Azimuths to True North
Magnetic North: 10.90°

Magnetic Field
Strength: 52168.1snT
Dip Angle: 65.96°
Date: 2/10/2014
Model: IGRF2010



Design: Actual (FD 5-32-2-2/Wellbore #1)

Created By: *Matthew Linton*

Date: 7:00, March 06 2014

THIS SURVEY IS CORRECT TO THE BEST OF
MY KNOWLEDGE AND IS SUPPORTED
BY ACTUAL FIELD DATA

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: fee
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: FD 5-32-2-2
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1865 FNL 1240 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 32 Township: 02.0S Range: 02.0E Meridian: U		9. API NUMBER: 43047540580000
PHONE NUMBER: 303 312-8134 Ext		9. FIELD and POOL or WILDCAT: WILDCAT
COUNTY: UINTAH		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> ACIDIZE</div> <div style="width: 33%;"><input type="checkbox"/> ALTER CASING</div> <div style="width: 33%;"><input type="checkbox"/> CASING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TUBING</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL NAME</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL STATUS</div> <div style="width: 33%;"><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</div> <div style="width: 33%;"><input type="checkbox"/> CONVERT WELL TYPE</div> <div style="width: 33%;"><input type="checkbox"/> DEEPEN</div> <div style="width: 33%;"><input type="checkbox"/> FRACTURE TREAT</div> <div style="width: 33%;"><input type="checkbox"/> NEW CONSTRUCTION</div> <div style="width: 33%;"><input type="checkbox"/> OPERATOR CHANGE</div> <div style="width: 33%;"><input type="checkbox"/> PLUG AND ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> PLUG BACK</div> <div style="width: 33%;"><input type="checkbox"/> PRODUCTION START OR RESUME</div> <div style="width: 33%;"><input type="checkbox"/> RECLAMATION OF WELL SITE</div> <div style="width: 33%;"><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> REPERFORATE CURRENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> SIDETRACK TO REPAIR WELL</div> <div style="width: 33%;"><input type="checkbox"/> TEMPORARY ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> TUBING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> VENT OR FLARE</div> <div style="width: 33%;"><input type="checkbox"/> WATER DISPOSAL</div> <div style="width: 33%;"><input type="checkbox"/> WATER SHUTOFF</div> <div style="width: 33%;"><input type="checkbox"/> SI TA STATUS EXTENSION</div> <div style="width: 33%;"><input type="checkbox"/> WILDCAT WELL DETERMINATION</div> <div style="width: 33%;"><input type="checkbox"/> OTHER</div> </div>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	
<input type="checkbox"/> SPUD REPORT Date of Spud:	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 6/30/2014	
OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached is the June 2014 Drilling Activity for this well.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 July 11, 2014

NAME (PLEASE PRINT) Christina Hirtler	PHONE NUMBER 303 312-8597	TITLE Administrative Assistant
SIGNATURE N/A	DATE 7/3/2014	

**FD 05-33-2-2 6/4/2014 06:00 - 6/5/2014 06:00**

API 43-047-54068	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,186.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	9.00	15:00	1	RIGUP & TEARDOWN	MIRU. Rig on daywork @ 15:00.
15:00	4.00	19:00	14	NIPPLE UP B.O.P	NUBOP.
19:00	4.00	23:00	15	TEST B.O.P	HSM. Test BOP. Test 5000 psi high f/10 min Lower and upper kelly valve, safety and dart valves, pipe rams and inside valves, HCR, kill line, choke line, check valve, inside manifold valves, blind rams, super choke. Test 2500 psi high annular preventer. Test surface csg to 1500 psi f/30 min. BLM/UDOG notified of test 6-3-14 @ 19:00.
23:00	1.50	00:30	20	DIRECTIONAL WORK	PU dir tools, scribe mm.
00:30	1.00	01:30	21	OPEN	Rack and strap BHA.
01:30	2.00	03:30	6	TRIPS	Tih, install rot rubber.
03:30	0.50	04:00	7	LUBRICATE RIG	Rig Service.
04:00	0.50	04:30	6	TRIPS	Tih. Tag cmt @ 1145'.
04:30	1.50	06:00	21	OPEN	Drill cmt @ ftt equip.

FD 05-33-2-2 6/5/2014 06:00 - 6/6/2014 06:00

API 43-047-54068	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,186.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	21	OPEN	Drill cmt & ftt equip. FC @ 1190', FS @ 1234'.
06:30	1.00	07:30	21	OPEN	Drill to 1265, spot gel pill, perform F.I.T. to 138 psi f/10.5 EMW. Spud well @ 06:30.
07:30	10.00	17:30	2	DRILL ACTUAL	Steerable drilling 1265' - 2904'. Wob 15-20k, spp 1500 psi, dp 350 psi, 466 gpm, rpm 45 -60/79, rop 165 fph.
17:30	0.50	18:00	7	LUBRICATE RIG	Rig Service. Bop drill daylight.
18:00	10.00	04:00	2	DRILL ACTUAL	Steerable drilling 2904' - 3889'. Wob 15-20k, spp 1500 psi, dp 350 psi, 466 gpm, rpm 45 -60/79, rop99 fph.
04:00	0.50	04:30	7	LUBRICATE RIG	Rig Service. Bopdrill morning tour.
04:30	1.50	06:00	2	DRILL ACTUAL	Steerable drilling 3889' - 4018'. Wob 15-20k, spp 1500 psi, dp 350 psi, 466 gpm, rpm 45 -60/79, rop86 fph.

FD 05-33-2-2 6/6/2014 06:00 - 6/7/2014 06:00

API 43-047-54068	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,186.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.00	17:00	2	DRILL ACTUAL	Steerable drilling 4018' - 4962'. Wob 15-20k, spp 1500 psi, dp 350 psi, 466 gpm, rpm 45 -60/79, rop 86 fph.
17:00	0.50	17:30	7	LUBRICATE RIG	Rig Service.
17:30	12.00	05:30	2	DRILL ACTUAL	Steerable drilling 4962' - 5302'. Wob 15-30k, spp 1850 psi, dp 250 psi, 466 gpm, rpm 45 -60/79, rop 28 fph.
05:30	0.50	06:00	7	LUBRICATE RIG	Rig Service.

FD 05-33-2-2 6/7/2014 06:00 - 6/8/2014 06:00

API 43-047-54068	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,186.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.00	16:00	2	DRILL ACTUAL	Steerable drilling 5302' - 5526'. Wob 15-35k, spp 1850 psi, dp 250 psi, 466 gpm, rpm 45 -60/79, rop 22 fph. Sweep hole @ 5510'.
16:00	0.50	16:30	5	COND MUD & CIRC	C&C, pump pill.
16:30	5.50	22:00	6	TRIPS	Toh. LD reamers, bit, mm.
22:00	1.50	23:30	20	DIRECTIONAL WORK	PU new bit, mm.
23:30	1.00	00:30	21	OPEN	Wait on new gap sub.
00:30	1.50	02:00	6	TRIPS	Tih to shoe.
02:00	4.00	06:00	9	CUT OFF DRILL LINE	Lay derrick over, change drilling line spool.

FD 05-33-2-2 6/8/2014 06:00 - 6/9/2014 06:00

API 43-047-54068	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,186.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.50	07:30	9	CUT OFF DRILL LINE	Finish slip/cut, change drlg line spool.
07:30	4.00	11:30	6	TRIPS	Finish tih.
11:30	1.00	12:30	3	REAMING	W&R last 100'.
12:30	17.00	05:30	2	DRILL ACTUAL	Steerable drilling 5526' - 5840'. Wob 15-21k, spp 2150 psi, dp 250 psi, 466 gpm, rpm 45 -60/79, rop 20 fph. 1 hour for downlinking mwd.
05:30	0.50	06:00	7	LUBRICATE RIG	Rig Service.

FD 05-33-2-2 6/9/2014 06:00 - 6/10/2014 06:00

API 43-047-54068	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,186.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.50	17:30	2	DRILL ACTUAL	Steerable drilling 5840' - 6077'. Wob 15-27k, spp 1950 psi, dp 200 psi, 466 gpm, rpm 45 -60/79, rop 21 fph.
17:30	0.50	18:00	7	LUBRICATE RIG	Rig Service.
18:00	11.50	05:30	2	DRILL ACTUAL	Steerable drilling 6077' - 6410'. Wob 15-27k, spp 2150 psi, dp 250 psi, 466 gpm, rpm 45 -60/79, rop 29 fph.
05:30	0.50	06:00	7	LUBRICATE RIG	Rig Service.

FD 05-33-2-2 6/10/2014 06:00 - 6/11/2014 06:00

API 43-047-54068	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,186.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	10.00	16:00	2	DRILL ACTUAL	Steerable drilling 6410' - 6744'. Wob 15-34k, spp 2150 psi, dp 250 psi, 466 gpm, rpm 45 -60/79, rop 33 fph.
16:00	0.50	16:30	7	LUBRICATE RIG	Rig Service.
16:30	13.00	05:30	2	DRILL ACTUAL	Steerable drilling 6744' - 7150'. Wob 15-34k, spp 2150 psi, dp 250 psi, 466 gpm, rpm 45 -60/79, rop 31 fph.
05:30	0.50	06:00	7	LUBRICATE RIG	Rig Service.

FD 05-33-2-2 6/11/2014 06:00 - 6/12/2014 06:00

API 43-047-54068	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,186.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	5.50	11:30	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 7150'-7267' (117') 21' FPH AVG GPM=499 TOPDRIVE RPM=50 MOTOR RPM=79 TOTAL RPM=133 WT ON BIT=30K OFF BOTTOM PRESSURE=1830 PSI DIFF PRESS=150-300PSI TQ=5K
11:30	1.00	12:30	5	COND MUD & CIRC	CIRCULATE HOLE CLEAN AND SWEEP AROUND
12:30	7.00	19:30	6	TRIPS	TRIP OUT OF HOLE FOR BIT
19:30	1.50	21:00	20	DIRECTIONAL WORK	CHANGE OUT MUD MOTOR AND BIT RE SCRIBE MWD
21:00	8.00	05:00	6	TRIPS	TRIP IN HOLE
05:00	0.50	05:30	3	REAMING	WASH AND REAM TO BOTTOM
05:30	0.50	06:00	7	LUBRICATE RIG	RIG SERVICE

FD 05-33-2-2 6/12/2014 06:00 - 6/13/2014 06:00

API 43-047-54068	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,186.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.50	06:30	2	DRILL ACTUAL	DRILL F/ 7267'-7305'
06:30	0.50	07:00	20	DIRECTIONAL WORK	DOWN LINK TO MWD TOOL
07:00	10.50	17:30	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 7305'-7760' (455') 43' FPH AVG GPM=499 TOPDRIVE RPM=50 MOTOR RPM=79 TOTAL RPM=133 WT ON BIT=30K OFF BOTTOM PRESSURE=1830 PSI DIFF PRESS=150-300PSI TQ=5K
17:30	0.50	18:00	7	LUBRICATE RIG	RIG SERVICE
18:00	11.50	05:30	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 7760'-8314' (554') 48' FPH AVG GPM=499 TOPDRIVE RPM=50 MOTOR RPM=79 TOTAL RPM=133 WT ON BIT=30K OFF BOTTOM PRESSURE=1830 PSI DIFF PRESS=150-300PSI TQ=5K
05:30	0.50	06:00	7	LUBRICATE RIG	RIG SERVICE

**FD 05-33-2-2 6/13/2014 06:00 - 6/14/2014 06:00**

API 43-047-54068	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,186.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	11.50	17:30	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 8314'-8910' (596') 51' FPH AVG GPM=499 TOPDRIVE RPM=50 MOTOR RPM=79 TOTAL RPM=133 WT ON BIT=30K OFF BOTTOM PRESSURE=1830 PSI DIFF PRESS=150-300PSI TQ=5K
17:30	0.50	18:00	7	LUBRICATE RIG	RIG SERVICE
18:00	3.50	21:30	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 8910'-8999' (89') 26' FPH AVG GPM=499 TOPDRIVE RPM=50 MOTOR RPM=79 TOTAL RPM=133 WT ON BIT=30K OFF BOTTOM PRESSURE=1830 PSI DIFF PRESS=150-300PSI TQ=5K
21:30	2.50	00:00	21	OPEN	SWIVLE PACKING BLEW CHANGE OUT SWIVLE PACKING
00:00	6.00	06:00	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 8999'-9135' (89') 26' FPH AVG GPM=499 TOPDRIVE RPM=50 MOTOR RPM=79 TOTAL RPM=133 WT ON BIT=30K OFF BOTTOM PRESSURE=1830 PSI DIFF PRESS=150-300PSI TQ=5K

FD 05-33-2-2 6/14/2014 06:00 - 6/15/2014 06:00

API 43-047-54068	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,186.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.50	09:30	2	DRILL ACTUAL	STEERABLE DRILLING 7 7/8 PRODUCTION F/ 9135'-9186' (51') 14' FPH AVG GPM=499 TOPDRIVE RPM=50 MOTOR RPM=79 TOTAL RPM=133 WT ON BIT=30K OFF BOTTOM PRESSURE=1830 PSI DIFF PRESS=150-300PSI TQ=5K B.O.P DRILL 45 SECS ALL HANDS
09:30	0.50	10:00	5	COND MUD & CIRC	PUMP SWEEP CIRCULATE AROUND FOR SHORT TRIP
10:00	3.50	13:30	6	TRIPS	SHORT TRIP UP TO 7200' AND BACK TO BOTTOM
13:30	7.50	21:00	6	TRIPS	LAY DOWN DRILL PIPE B.H.A AND DIRECTIONAL TOOLS FOR CASING RUN HOLE TOOK CORRECT DISPLACEMENT
21:00	0.50	21:30	21	OPEN	PULL WARE BUSHING
21:30	0.50	22:00	7	LUBRICATE RIG	RIG SERVICE
22:00	1.00	23:00	12	RUN CASING & CEMENT	PREP FOR 5.5 CASING RUN LEVEL DERRICK
23:00	7.00	06:00	12	RUN CASING & CEMENT	RUN 5.5 LT&C I-80 CASING F/0'4100' BREAKING CIRCULATION EVERY 1000 FEET

FD 05-33-2-2 6/15/2014 06:00 - 6/16/2014 06:00

API 43-047-54068	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,186.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	5.00	11:00	12	RUN CASING & CEMENT	RUN 5.5 CASING BREAK CIRCULATION EVERY 1000 FEET
11:00	2.50	13:30	12	RUN CASING & CEMENT	CIRCULATE & RECIPROCATATE PIPE RIG UP HALLIBURTON
13:30	3.50	17:00	12	RUN CASING & CEMENT	SAFETY MEETING WITH HALLIBURTON CEMENT CREW -TEST LINES @ 5000 PSI, 40 BBLS 10.7 PPG TUNED SPACER, 233 BBLS 560 SKS 11.0 PPG 2.34 YIELD LEAD CEMENT MIXED @ 10.1 GAL/SK, 186 BBLS 720 SKS 13.5 PPG 1.45 YIELD TAIL CEMENT MIXED @ 6.91 GAL/SK, SHUT DOWN WASH LINES TO PIT DROP PLUG AND DISPLACE WITH 211 BBLS CLAY-WEB WATER - FINAL CIRCULATING PRESSURE 2300 PSI FULL RETURNS THROUGH OUT JOB 90 BBLS BACK TO SURFACE - PLUG BUMP PRESSURE 2780 PSI HELD PRESSURE FOR TWO MINUTES RELEASE PRESSURE FLOATS HELD
17:00	1.00	18:00	14	NIPPLE UP B.O.P	SET PACK OFF WITH CAMRON N/D B.O.PS
18:00	4.00	22:00	21	OPEN	CLEAN PITS RELEASE RIG @ 22:00

FD 05-33-2-2 6/17/2014 06:00 - 6/18/2014 06:00

API 43-047-54068	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,186.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	HSM. CHECK PRESSURE. ND 11" NIGHT CAP. CLEAN HANGER MANDREL. NU 7" 5K TBG HEAD. PRES TEST VOID AND SEALS. GOOD. NU 7" NIGHT CAP. WELL SECURE.

FD 05-33-2-2 6/18/2014 06:00 - 6/19/2014 06:00

API 43-047-54068	State/Province Utah	County Uintah	Field Name Fort Duchesne	Well Status COMPLETION	Total Depth (ftKB) 9,186.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	WLWK	Wireline	MIRU HES LOGGING. HSM. RIH W/ GR/JB TO TAG AT 9052'. DRLG SHOWS FC AT 9088' (36' FILL). RUN RMT/RBL LOG (WITHOUT PRESSURE). LOG SHOWS TD-8680' GOOD CMT, 8680'-7200' VERY POOR PATCHY CMT, 7200'-5160' GOOD CMT W/ PATCHY SPOTS. TOC 5160'. RDMO HES.